

Full publications list

2010

- Blade, I., Castro, Y. and 29 contributing authors (including Brunet, M.), 2010
“*Tendencias atmosféricas en la Península Iberica durante el periodo instrumental en el contexto de la variabilidad natural.*”
Clima en Espana: pasado, presente y futuro. F Perez and R. Boscoso (eds.), Red Tematica CLIVAR-ESPANA 25-42 pp
- Brohan, P., Ward, C., Willets, G., Wilkinson, C., Allan, R. and Wheeler, D., 2010
“*Arctic Marine Climate of the Early Nineteenth Century.*”
Climate of the Past Discussions (submitted)
- Brunet, M., Asin, J., Sigro, J., Banon, M., Garcia, F., Aguilar, E., Palenzuela, J.E., Peterson, T.C. and Jones, P.D., 2010
“*The minimization of the screen bias from ancient western Mediterranean air temperature records: an exploratory statistical analysis.*”
International Journal of Climatology (under review)
- Brunet, M., 2010
“*Datos e indicadores para detectar y atribuir eventos al cambio climatico: los registros historicos del clima y su problematica.*”
Cambio Climatico y Estadística Oficial, UNAM-INEGI Mexico DF (in press)
- Gallego, M.C., Trigo, R.M., Vaquero, J.M., Brunet, M., Garcia, J.A., Sigro, J., Valente, M.A., 2010
“*Trends in frequency indices of daily precipitation over the Iberian Peninsula during the last century.*”
Journal of Geophysical Research / Journal of Hydrometeorology (in preparation)
- Luterbacher, J., Xoplaki, E., Kuttel, M., Zorita, E., Gonzalez-Ruoco, J.F., Jones, P.D. and others, 2010
“*Climatic Change in Poland in the Past Centuries: Evidence from Reconstructions and Coupled Climate Models.*”
Chapter 1 in the Polish Climate in the European Context: An Historical Overview (R. Przylyak et al. Eds), [doi:10.1007/978-90-481-3167-9_1](https://doi.org/10.1007/978-90-481-3167-9_1) pp 3-39
- Maraun, D., Osborn, T.J. and Rust, H.W., 2010
“*The influence of synoptic airflow on UK daily precipitation extremes, part 1: observed spatio-temporal relationships.*”
Climate Dynamics, [doi:10.1007/s00382-009-0710-9](https://doi.org/10.1007/s00382-009-0710-9)
- Maraun, D., Rust, H.W. and Osborn, T.J., 2010
“*Synoptic airflow and UK daily precipitation extremes: development and validation of a vector generalised model.*”
Extremes, [doi:10.1007/s10687-010-0102-x](https://doi.org/10.1007/s10687-010-0102-x)
- Martin-Vide, J., Brunet, M., Rius, A., 2010
“*Els climes de Catalunya. Present i tendències recents.*”
In (E. Llebot, Ed.) Segon informe sobre el canvi climàtic a Catalunya, Generalitat de Catalunya, Institut d'Estudis Catalans (in press)
- Moreno, A., Lopez-Merino, L., Leira, M., Sigro, J., Gonzalez-Samperiz, P., Valero-Garcés, B.L., Lopez-Merino, J.A., Brunet, M., Aguilar, E., 2010
“*Little Ice Age and Industrial Era signals in a mountain lake (Lago Enol, Picos de Europa National Park, Northern Iberian Peninsula): climate versus anthropogenic signals.*”
Global and Planetary Change (under review)
- Simmons, A.J., Willett, K.M., Jones, P.D., Thorne, P.W. and Dee, D., 2010
“*Low-frequency variations in surface atmospheric humidity, temperature and precipitation: Inferences from reanalyses and monthly gridded observational datasets.*”
Journal of Geophysical Research, 115, D01110, [doi:10.1029/2009JD012442](https://doi.org/10.1029/2009JD012442)
- Wilkinson, C., Woodruff, S., Brohan, P., Claesson, S., Freeman, E., Koek, F., Lubker, S., Marzin, C. and Wheeler, D., 2010
“*Recovery of Logbooks and International Marine Data: the RECLAIM Project.*”
International Journal of Climatology
- Woodruff, S., Woreley, S., Lubker, S., Ji, Z., Freeman, E., Berry, D., Brohan, P., Kent, E., Reynolds, D., Smith, S. and Wilkinson, C., 2010

2009

- Agnew, M., Goodess, C.M., Jones, P.D. and Osborn, T.J., 2009
“*The Science of Climate Change - implications for risk management.*”
Chapter 3 in Coping with climate change: risk and opportunities for insurers (ed. Dlugolecki, A. etc al.), Chartered Insurance Institute (www.cii.co.uk), London, UK. 37 pp
- Axelsson, J.N., Sauchyn, D.J. and Barichivich, J., 2009
“*New reconstructions of streamflow variability in the South Saskatchewan River Basin from a network of tree-ring chronologies, Alberta, Canada.*”
Water Resources Research, W09422, [doi:10.1029/2008WR007639](https://doi.org/10.1029/2008WR007639)
- Barichivich, J., Sauchyn, D.L., Lara, A., 2009
“*Climate signals in high elevation tree-rings from the semiarid Andes of north-central Chile: responses to regional and largescale variability.*”
Palaeogeography, Palaeoclimatology, Palaeoecology 281, [doi:10.1016/j.palaeo.2007.10.033](https://doi.org/10.1016/j.palaeo.2007.10.033) 320-333
- Bohm, R., Jones, P.D., Hiebl, J., Frank, D., Brunetti, M. and Maugeri, M., 2009
“*The early instrumental warm-bias: a solution for long Central European temperature series, 1760-2007.*”
Climatic Change (available online).
- Boninsegna, J.A., Argollo, J., Aravena, J.C., Barichivich, J., and others, 2009
“*Dendroclimatological reconstructions in South America: a review.*”
Palaeogeography, Palaeoclimatology, Palaeoecology 281, [doi:10.1016/j.palaeo.2009.07.020](https://doi.org/10.1016/j.palaeo.2009.07.020) 210-228
- Briffa, K.R., van der Schrier, G. and Jones, P.D., 2009
“*Wet and dry summers in Europe since 1750: evidence of increasing drought.*”
International Journal of Climatology 29, [doi:10.1002/joc.1836](https://doi.org/10.1002/joc.1836) 1894-1905
- Brohan, P., Allan, R., Wheeler, D., Wilkinson, C., Woodruff, S., 2009
“*Marine Observations of Old Weather.*”
Bulletin of the American Meteorological Society.
- Brunet, M., Sigro, J. and Aguilar, E. (eds.), 2009
“*Observed and modelled regional climate change.*”
Solicited talks given at the 6th International Congress of the AEC, Pub. Asociacion Espanola de Climatologia, Series B, No. 6, Tarragona ISBN: 978-84-691-9794.
- Christie, D.A., Lara, A., Barichivich, J., Villalba, R., Morales, M.S., Cuq, E., 2009
“*El Nino-Southern Oscillation signal in the world's highest-elevation tree-ring chronologies from the Altiplano, Central Andes.*”
Palaeogeography, Palaeoclimatology, Palaeoecology 281, [doi:10.1016/j.palaeo.2007.11.013](https://doi.org/10.1016/j.palaeo.2007.11.013) 309-319
- Ekstrom, M. and Jones, P.D., 2009
“*Impact of rainfall estimation uncertainty on streamflow estimations for catchments Wye and Tyne in the United Kingdom.*”
International Journal of Climatology, 29, 79-86
- Forster, J., 2009
“*Coastal Management*”
POSTnote, number 342. Parliamentary Office of Science and Technology, Westminster.
- Giannakopoulos, C., Le Sager, P., Bindi, M., Moriondo, M., Kostopoulou, E. and Goodess, C.M., 2009
“*Climatic changes and associated impacts in the Mediterranean resulting from a 2C Global Warming.*”
Global and Planetary Change 68 pp. 209-224
- Goodess, C.M., Jacob, D., Deque, M., Guttierrez, J.M., Huth, R., Kendon, E., Leckebusch, G.C., Lorenz, P. and Pavan, V., 2009
“*Downscaling methods, data and tools for input to impacts assessments*”
In van der Linden, P. and J.F.B. Mitchell (eds.): ENSEMBLES: Climate Change and its Impacts: Summary of research and results from the ENSEMBLES project. Met Office Hadley Centre, Fitzroy Road, Exeter, EX1 3PB, UK pp. 59-78

- Harding, A.E., Palutikof, J., and Holt, T., 2009
"The Climate System"
 in J.C. Woodward (et al.), *The Physical Geography of the Mediterranean*. Oxford University Press, Oxford, 69-88 Oxford University Press, Oxford.
- Hewitt, C.D., Goodess, C.M. and Betts, R.A., 2009
"Towards probabilistic projections of climate change."
 ICE Proceedings of the Institute of Civil Engineers, 162 33-40
- Jacobeit, J., Rathmann, J., Philipp, A. and Jones, P.D., 2009
"Central European precipitation and temperature extremes in relation to large-scale atmospheric circulation types."
 Meteorologische Zeitschrift 18, 397-410
- Jones, J.M., Fogt, R.L., Widmann, M., Marshall, G., Jones, P.D. and Visbeck, M., 2009
"Historical SAM Variability. Part 1: Century length seasonal reconstructions."
 Journal of Climate 22 5319-5345
- Jones, P.D. and Lister, D.H., 2009
"The Urban Heat Island in Central London and urban-related warming trends in Central London since 1990."
 Weather 64, 323-327
- Jones, P.D. and Lister, D.H., 2009
"The influence of the circulation on surface temperature and precipitation patterns over Europe."
 Climates of the Past 5, 259-267
- Karpechko, A.Y., Gillett, N.P., Marshall, G.J., Screen, J.A., 2009
"Climate impacts of the Southern Annular Mode simulated by the CMIP3 models."
 Journal of Climate, 22, [doi:10.1175/2009JCL12788.1](https://doi.org/10.1175/2009JCL12788.1) 3751-3768
- Kaufman, D.S., Schneider, D.P., McKay, N.P., Ammann, C.M., Bradley, R.S., Briffa, K.R., Miller, G.H., Otto-bliesner, B.L., Overpeck, J.T., Vinther, B.M., 2009
"Recent warming reverses long-term arctic cooling."
 Science, 325, 1236-1239
- Kleinen, T., Osborn, T.J. and Briffa, K.R., 2009
"Sensitivity of climate response to changes in freshwater hosing location."
 Ocean Dynamics, 59, 509-521
- Kleinen, T., Osborn, T.J. and Briffa, K.R., 2009
"Sensitivity of climate response to changes in freshwater hosting location."
 Ocean Dynamics (in press)
- Kuttel, M., Xoplaki, E., Gallego, D., Luterbacher, J., Garcia-Herrera, R., Allan, R., Barriendos, M., Jones, P.D., Wheeler, D., Wanner, H., 2009
"The importance of ship log data: reconstructing North Atlantic, European and Mediterranean sea level pressure fields back to 1750."
 Climate Dynamics, [doi:10.1007/s00382-009-0577-9](https://doi.org/10.1007/s00382-009-0577-9).
- Le Quesna, C., Acuna, C., Boninsegna, J.A., Rovera, A., Barichivich, J., 2009
"Long-term glacier variations in the Central Andes of Argentina and Chile, inferred from historical records and tree-ring reconstructed precipitation."
 Palaeogeography, Palaeoclimatology, Palaeoecology 281, [doi:10.1016/j.palaeo.2008.01.039](https://doi.org/10.1016/j.palaeo.2008.01.039) 334-344
- Li, Q., Zhang, H., Chen, J., Li, W., Liu, X. and Jones, P.D., 2009
"A mainland China homogenized historical temperature dataset for 1951-2004."
 Bulletin of American Meteorological Society 90, 1062-1065
- Nicolussi, K., Kaufmann, M., Melvin, T.M., van der Plicht, J., Schiessling, P. and Thurner, A., 2009
"A 9111 year long conifer tree-ring chronology for the European Alps: a base for environmental and climatic investigations."
 Holocene, 19, 909-920

O'Neill, S.J. and Nicholson-Cole, S., 2009

"Fear won't do it: promoting positive engagement with climate change through imagery and icons."

Science Communication, [doi:10.1177/1075547008329201](https://doi.org/10.1177/1075547008329201)

Ockwell, D., Whitmarsh, L. and O'Neill, S.J., 2009

"Reorienting climate change communication for effective mitigation: Forcing people to be green or fostering grass-roots engagement?"

Science Communication, [doi:10.1177/1075547008328969](https://doi.org/10.1177/1075547008328969)

Orsolini, Y.J., Karpechko, A.Y., Nikulin, G., 2009

"Variability of the Northern Hemisphere polar stratospheric cloud potential: the role of North Pacific disturbances."

Quarterly Journal of the Royal Meteorological Society, 135(641) 1020-1029

Parker, D.E., Jones, P.D., Peterson, T.C. and Kennedy, J., 2009

"Comment on 'Unresolved issues with the assessment of multidecadal global land surface temperature trends' by Roger A. Pielke Sr. et al."

Journal of Geophysical Research, 114, D05104, [doi:10.1029/2008JD010450](https://doi.org/10.1029/2008JD010450)

Rust, H.W., Maraun, D. and Osborn, T.J., 2009

"Modelling seasonality in extreme rainfall: a UK case study."

European Physical Journal Special Topics (submitted)

Rust, H.W., Maraun, D. and Osborn, T.J., 2009

"Modelling seasonality in extreme rainfall: a UK case study."

European Physical Journal Special Topics, 174, [doi:10.1140/epjst/e209-01093-7](https://doi.org/10.1140/epjst/e209-01093-7) 99-111

Thompson, D.W.J., Wallace, J.M., Jones, P.D. and Kennedy, J.J., 2009

"Removing the signatures of known climate variability from global-mean surface temperature: Methodology and Insights."

Journal of Climate 22, 6120-6141

Wallace, C. and others, 2009

"UK Climate Projections Science Report: Climate Change projections."

Met Office Hadley Centre, Exeter, UK

Wheeler, D., Garcia-Herrera, R., Wilkinson, C., Ward, C., 2009

"Air circulation and storminess in the Atlantic-European region derived from logbooks: 1685 to 1750."

Climatic Change (submitted 2008)

Wilkinson, C., 2009

"British Logbooks in UK Archives 20th Century: A survey of the range, selection and suitability of British logbooks for climatic research"

National Oceanic and Atmospheric Administration (NOAA) Climate Database Modernization Program (CDMP), (forthcoming, 2009). <http://icoads.noaa.gov/reclaim>

Yan, Z., Li, Z., Li, Q. and Jones, P.D., 2009

"Effects of site-change and urbanization in the Beijing temperature series 1977-2006."

International Journal of Climatology, [doi:10.1002/joc.1971](https://doi.org/10.1002/joc.1971) (available online)

2008

Aguilar, E., Barry, A., Brunet, M., et al., 2008

"Changes in temperature and precipitation extremes in Western Central Africa, Guinea Conakry and Zimbabwe, 1995-2006."

Journal of Geophysical Research-Atmospheres, 114, [doi:10.1029/2008JD011010R-0899-8418](https://doi.org/10.1029/2008JD011010R-0899-8418)

Banon, M., Brunet, M., Sigro, J., Aguilar, E., Garcia, F., Palenzuela, J.E. and Asin, J., 2008

"Comparación de las temperaturas obtenidas en las garitas Montsouri y Stevenson. Resultados provisionales del proyecto SCREEN."

Agua y cambio climático XXX Jornadas de la Asociación Española de Meteorología, IX Encuentro hispano-luso de Meteorología, XII Congreso Latinoamericano e Ibérico de Meteorología, Zaragoza, 5-7 May 2008, Publicaciones de la Asociación Española de Meteorología, Zaragoza: 13 pp.

- Blenkinsop, S., Jones, P.D., Dorling, D.R. and Osborn, T.J., 2008
"Observed and modelled influence of atmospheric circulation on central England temperature extremes."
 International Journal of Climatology, 29, [doi:10.1002/joc.1807](https://doi.org/10.1002/joc.1807) 1642-1660
- Blenkinsop, S., Jones, P.D., Dorling, S.R. and Osborn, T.J., 2008
"Observed and modelled influence of atmospheric circulation on central England temperature extremes."
 International Journal of Climatology 29, 1642-1660
- Briffa, K.R. and Melvin, T.M., 2008
"A closer look at Regional Curve Standardisation of tree-ring records: justification of the need, a warning of some pitfalls, and suggested improvements in its application."
 In: Hughes MK, Diaz HF, Swetnam TW (eds) Dendroclimatology: Progress and Prospects. Springer Verlag, p (in press)
- Brunet, M., 2008
"Introduction to the MEDARE Workshop Proceedings."
 En Brunet, M. y Kuglitsch, F.G. (Eds.) 2008. Proceedings of the International Workshop on Rescue and Digitization of Climate Records in the Mediterranean Basin, WCDMP No. 67/WMO-TD No. 1432, XXI-XXII.
- Brunet, M., 2008
"The needs of a historical climate data and metadata rescue project for the Mediterranean: the GCOS MedMEDARE project."
 En Brunet, M. y Kuglitsch, F.G. (Eds.) 2008. Proceedings of the International Workshop on Rescue and Digitization of Climate Records in the Mediterranean Basin, WCDMP No. 67/WMO-TD No. 1432, pp 25-32 pp. 28-32
- Brunet, M. y Kuglitsch, F.G. (Eds.), 2008
"Proceedings of the International Workshop on Rescue and Digitization of Climate Records in the Mediterranean Basin,"
 WCDMP No. 67/WMO--TD No. 1432, XXII + 219 pp 219 pp
- Brunet, M., Saladie, O., Jones, P.D., Sigro, J., Aguilar, E., Moberg, A., Lister, D., Walther, A. and Almarza, C., 2008
"A case study/guidance on the development of long-term daily adjusted temperature datasets"
 WCDMP-66/WMO-TD-1425, Geneva: 43 pp 43 pp
- Garreaud, R., Barichivich, J., Christie, D.A. and Maldonado, A., 2008
"Interannual variability of the coastal fog at Fray Jorge relict forests in semiarid Chile."
 Journal of Geophysical Research, 113, G04011, [doi:10.1029/2008JG000709](https://doi.org/10.1029/2008JG000709)
- Gillett, N.P., Stone, D.A., Stott, P.A., Nozawa, T., Karpechko, A.Y., Hegerl, G.C., Wehner, M.F., and Jones, P.D., 2008
"Attribution of polar warming to human influence."
 Nature Geoscience, 1, [doi:10.1038/ngeo338](https://doi.org/10.1038/ngeo338)
- Haylock, M.R., Hofstra, N., Klein Tank, A.M.G., Klok, E.J., Jones, P.D. and New, M., 2008
"A European daily high-resolution gridded data set of surface temperature and precipitation for 1950-2006."
 Journal of Geophysical Research, 113, D20119, [doi:10.1029/2008JD010201](https://doi.org/10.1029/2008JD010201)
- Holt, T., Goodess, C.M. and Viner, D., 2008
"Climate Change in the UK: the evidence"
 Chapter 1 in Health Effects of Climate Change in the UK 2008: An update of the Department of Health Report 2001/2002 (ed.)
 Sari Kovats, pp.1-22, Department of Health, UK pp.1-22
- Hostra, N., Haylock, M.R., New, M., Jones, P.D. and Frei, C., 2008
"Comparison of six methods for the interpolation of daily European climate data."
 Journal of Geophysical Research, 113, D21110, [doi:10.1029/2008JD010100](https://doi.org/10.1029/2008JD010100)
- Jones, P.D., 2008
"Benefits from undertaking data rescue activities."
 In Brunet, M. and Kuglitsch, F. (eds.): Proceedings of the International Workshop on Rescue and Digitization of Climate Records in the Mediterranean Basin, WCDMP, No. 67, WMO-TD No. 1432 16-25
- Jones, P.D., 2008
"Summary Report of the MEDARE workshop"
 In Brunet, M. and Kuglitsch, F. (eds.): Proceedings of the International Workshop on Rescue and Digitization of Climate Records in the Mediterranean Basin, WCDMP, No. 67, WMO-TD No. 1432 XIV-XIX

- Jones, P.D., 2008
"Historical Climatology - a state of the art review."
 Weather, 63 181-186
- Jones, P.D., Briffa, K.R., Osborn, T.J., Lough, J.M., van Ommen, T.D., Vinther, B.M. and others, 2008
"High-resolution paleoclimatology of the last millennium: a review of current status and future prospects."
 Holocene, 19, 3-49
- Jones, P.D., Lister, D.H. and Li, Q., 2008
"Urbanization effects in large-scale temperature records, with an emphasis on China."
 Journal of Geophysical Research, 113, D16122, [doi:10.1029/2008JD009916](https://doi.org/10.1029/2008JD009916)
- Karpechko, A.Y., Gillett, N.P., Marshall, G.J. and Scaife, A.A., 2008
"Stratospheric influence on circulation changes in the Southern Hemisphere troposphere in coupled climate models"
 Geophysical Research Letters, 35, L20806, [doi:10.1029/2008GL035354](https://doi.org/10.1029/2008GL035354)
- Kington, J.A., 2008
"Further notable storms on 15 October"
 History of Meteorology and Physical Oceanography Special Interest Group Newsletter 3, p.11 Royal Meteorological Society
- Larsen, L.B., Vinther, B.M., Briffa, K.R., Melvin, T.M., Clausen, H.B., Jones, P.D., et al, 2008
"New ice core evidence for a volcanic cause of the A.D. 536 dust veil."
 Geophysical Research Letters, 35, L04708, [doi:10.1029/2007GL032450](https://doi.org/10.1029/2007GL032450)
- Le Quere, C., Rodenbeck, C., Buitenhuis, E.T., Conway, T.L., Langenfelds, R., Gomez, A., Labsucchagne, C., Ramonet, M., Gillett, N.P. et al, 2008
"Response to comments on "Saturation of the Southern Ocean CO2 sink due to recent climate change" "
 Science, 319 570c
- Maraun, D., Osborn, T.J. and Gillett, N.P., 2008
"United Kingdom daily precipitation intensity: improved early data, error estimates and an update from 2000 to 2006"
 International Journal of Climatology 28, [doi:10.1002/joc.1672](https://doi.org/10.1002/joc.1672) 833-842
- Maraun, D., Rust, H.W., and Osborn, T.J., 2008
"The annual cycle of heavy precipitation across the UK: a model based on extreme value statistics"
 International Journal of Climatology, 29, [doi:10.1002/joc.1811](https://doi.org/10.1002/joc.1811) 1731-1744
- Martin-Puertas, C., Valero-Garces, B.L., Mata, M.P., Moreno, A., Sigro, J. y Brunet, M., 2008
"Procesos de erosion en la cuenca de la Laguna de Zonar (Cordoba) durante los ultimos 50 anos."
 In Actas X Reunion Nacional de Geomorfologia, Trabajos de Geomorfologia en Espana, 2006 - 2008.
- Melvin, T.M and Briffa, K.R., 2008
"A "Signal-Free" approach to Dendroclimatic Standardisation"
 Dendrochronologia 26, [doi:10.1016/j.dendro.2007.12.001](https://doi.org/10.1016/j.dendro.2007.12.001) 71-86
- Milionis, A.E. and Davies, T.D., 2008
"The effect of the prevailing weather on the statistics of atmospheric temperature inversions."
 International Journal of Climatology 28, [doi:10.1002/joc.1613](https://doi.org/10.1002/joc.1613) 1385-1397
- Milionis, A.E. and Davies, T.D., 2008
"A comparison of temperature inversion statistics at a coastal and non-coastal location influenced by the same synoptic regime."
 Theoretical and Applied Climatology 94 (3-4). [doi:10.1007/s00704-007-0356-7](https://doi.org/10.1007/s00704-007-0356-7). 225-239
- Milliman, J.D., Farnsworth, K.L., Jones, P.D., Xu, K.H. and Smith, L.C., 2008
"Climatic and anthropogenic factors affecting river discharge to the global ocean, 1951-2000."
 Global and Planetary Change, 62 187-194
- Mitchell, T.D., Osborn, T.J., Raper, S.C.B., et al., 2008
"Development and illustrative outputs of the Community Integrated Assessment System (CIAS), a multi-institutional modular integrated assessment approach for modelling climate change."
 Environmental Modelling and Software, 23, [doi:10.1016/j.envsoft.2007.09.002](https://doi.org/10.1016/j.envsoft.2007.09.002) 592-610

- Nejadkoorki, F., Nicholson, K., Lake, I. and Davies, T.D., 2008
"An approach for modelling CO2 emissions from road traffic in urban areas."
 Science of the Total Environment 406 (1-2) 269-278
- O'Neill, S.J., Osborn, T.J., Hulme, M., Lorenzoni, I. and Watkinson, A., 2008
"Using expert knowledge to assess uncertainties in future polar bear populations under climate change"
 Journal of Applied Ecology, 45, [doi: 10.1111/j.1365-2664.2008.01552.x](https://doi.org/10.1111/j.1365-2664.2008.01552.x) 1649-1660
- O'Neill, S.J., Osborn, T.J., Hulme, M., Lorenzoni, I., Watkinson, A., 2008
"Expert assessment of the uncertainties of polar bear population dynamics under climate change"
 Journal of Applied Ecology, 45, 1649-1659
- Peterson, T.C., Zhang, X., Brunet-India, M. and Vazquez-Aguirre, J.L., 2008
"Changes in North American extremes derived from daily weather data"
 Journal of Geophysical Research, [doi:10.1029/2007JD009453](https://doi.org/10.1029/2007JD009453), in press
- Saladie, O., Brunet, M., Aguilar, E., Sigro, J., Lopez, D., 2008
"Variacions i tendència de la precipitació al sector nord-oriental de la Península Ibèrica durant el s. XX."
 Revista de Geografia, 5, 25-46
- Sanchez-Lorenzo, A., Sigro, J., Calbo, J., Martín-Vide, Brunet, M., Aguilar, E., Brunetti, M., 2008
"Efectos de la nubosidad e insolación en las temperaturas recientes de España."
 In Sigro, J., Brunet, M. y Aguilar, E. (Eds.) Cambio Climático Regional y sus Impactos. Publicaciones de la Asociación Española de Climatología, Serie A, no. 6, Tarragona: 273-284. ISBN 978-84-612-6051-5.
- Santer, B.D., Thorne, P.W., Hainberger, L., Taylor, K.E., Wigley, T.M.L., Lanzante, J.R., Solomon, S., Free, M., Gleckler, P.J., Jones, P.D. and others, 2008
"Consistency of modelled and observed temperature trends in the tropical troposphere."
 International Journal of Climatology, 28, [doi:10.1002/joc.1756](https://doi.org/10.1002/joc.1756)
- Screen, J.A., Gillett, N.P., Stevens, D.P., Marshall, G.J. and Roscoe, H.K., 2008
"The role of eddies in the Southern Ocean temperature response to the Southern Annular Mode"
 Journal of Climate (accepted)
- Sigro, J., Brunet, M., Aguilar, E., 2008
"Evolució de la temperatura màxima estival en Espanya. Part I: Tendències i patrons espacials."
 In Sigro, J., Brunet, M. y Aguilar, E. (Eds.) Cambio Climático Regional y sus Impactos. Publicaciones de la Asociación Española de Climatología, Serie A, no. 6, Tarragona: 307-318. ISBN 978-84-612-6051-5. 307-318
- Sigro, J., Brunet, M., Aguilar, E., 2008
"Evolució de la temperatura màxima estival en Espanya. Part II: Relació amb la circulació atmosfèrica i la temperatura superficial del mar."
 In Sigro, J., Brunet, M. y Aguilar, E. (Eds.) Cambio Climático Regional y sus Impactos. Publicaciones de la Asociación Española de Climatología, Serie A, no. 6, Tarragona: 319-332. ISBN 978-84-612-6051-5. 319-332
- Sigro, J., Brunet, M., Aguilar, E. (Eds.), 2008
"Cambio Climático Regional y sus Impactos."
 Publicaciones de la Asociación Española de Climatología, Serie A, no. 6, Tarragona: 823 pp. ISBN: 978-84-612-6051-5. 823 pp.
- Sigro, J., Brunet, M., Aguilar, E. y Saladié, O., 2008
"Variaciones temporales en los índices de extremos térmicos en el patrón SEES (South-eastern and Eastern Spain) de la red SDATS (Spanish Daily Adjusted Temperature Series)."
 In Estrela, M.J. (ed.): Riesgos climáticos y cambio global en el Mediterráneo español. Hacia un clima de extremos? Ed. CEAM-RIMARC, Valencia.
- Stephenson, T.S., Goodess, C.M., Haylock, M.R., Chen, A.A. and Taylor, M.A., 2008
"Detecting inhomogeneities in Caribbean and adjacent Caribbean temperature data using sea-surface temperatures."
 Journal of Geophysical Research, 113, D21116, [doi:10.1029/2007JD009127](https://doi.org/10.1029/2007JD009127).
- Thompson, D.W.J., Kennedy, J.J., Wallace, J.M. and Jones, P.D., 2008
"A large discontinuity in the mid-twentieth century in observed global-mean surface temperature."
 Nature, 453 646-649

Vazquez-Aguirre, J.L., Brunet, M., Jones, P.D., 2008

“Cambios observados en los extremos de temperatura y precipitacion en el estado de Veracruz, Mexico a partir de datos diarios.”

In Sigro, J., Brunet, M. y Aguilar, E. (Eds.) Cambio Climatico Regional y sus Impactos. Publicaciones de la Asociacion Espanola de Climatologia, Serie A, no. 6, Tarragona: ISBN 978-84-612-6051-5.

Vinther, B.M., Jones, P.D., Briffa, K.R., Clausen, H.B., Andersen, K.K., Dahl-Jensen, D. and Johnsen, S.J., 2008

“Climatic signals in multiple highly resolved stable isotope records from Greenland.”

Quaternary Science Reviews 29, 522-538

Wang,X.L., Peterson,T.C., Lawrimore,J., Brunet,M., Cerveny,R., Donlon,C., Driouech,F., Wan Hassan,W.A., Hollmann,R., Schwartz,M.D., Zhang,Z., 2008

“Monitoring the Earth's climate,”

WMO Bulletin, 57 (2), pp. 75-79. pp. 75-79

Willett, K.M., Jones, P.D., Gillett, N.P. and Thorne, P.W., 2008

“Recent Changes in Surface Humidity: Development of the HadCRUH Dataset”

Journal of Climate, 21 [doi:10.1175/2008JCLI2274.1](https://doi.org/10.1175/2008JCLI2274.1) 5364-5383

Yan, Z. and Jones, P.D., 2008

“Detecting inhomogeneity in daily climate series using wavelet analysis.”

Advances in Atmospheric Sciences, 25 157-163

2007

Auer,I., Jurkovic,A., Lipa,W., Orlik,A., Potzmann,R., Schoener,W., Ungersbock,M., Matulla,C., Briffa,K.R., Jones,P.D., Efthymiadis,D. et al, 2007

“HISTALP - Historical instrumental climatological surface time series of the greater Alpine region 1760-2003”

Journal of Climatology, 27(1) [doi:10.1002/joc.1377](https://doi.org/10.1002/joc.1377) 17-46

Beck, C., Jacobeit, J. and Jones, P.D., 2007

“Frequency and within-type variations of large-scale circulation types and their effects on low-frequency climate variability in Central Europe since 1780.”

International Journal of Climatology, 27 473-491

Bengtsson, L., Arkin, P., Berrisford, P., Bougeault, P., Folland, C.K., Gordon, C., Haines, K., Hodges, K.I., Jones, P.D. and others, 2007

“The need for a dynamical climate reanalysis.”

Bulletin of American Meteorological Society, 88 495-501

Briffa, K.R., Jones, P.D., Efthymiadis, D., and others, 2007

“HISTALP - historical instrumental climatological surface time series for the Greater Alpine Region.”

International Journal of Climatology, 27 17-46

Briffa, K.R., Shishov, V.V., Melvin, T.M., Vaganov, E.A., Grudd, H., Hantemirov, R.M., Eronen, M. and Naurxbaev, M.M., 2007

“Trends in recent temperature and radial tree growth spanning 2000 years across northwest Eurasia”

Philosophical Transactions of The Royal Society B, [doi:10.1098/rstb.2007.2119](https://doi.org/10.1098/rstb.2007.2119)

(keywords: climate change; Eurasia; tree-ring chronology; temperature)

Bronnimann, S., Annis, J.L., Vogler, C. and Jones, P.D., 2007

“Reconstructing the quasi-biennial oscillation back to the early 1900s.”

Geophysical Research Letters, 34, L22805, [doi:10.109/2007GL031354](https://doi.org/10.109/2007GL031354)

Brunet, M., Jones, P.D., Sigro, J., Aguilar, E., Moberg, A., Lister, D., Walther, A. and Almarza, C., 2007

“Guidance on the development of long-term daily adjusted temperature datasets: a case study”

WMO/WCDMP Technical Note, WMO, Geneva (in press)

Brunet, M., Jones, P.D., Sigro, J., Saladie, O., Aguilar, E., Moberg, A., Della-Marta, P.M., Lister, D., Walther, A., and Lopez, D., 2007

“Temporal and spatial temperature variability and change over Spain during 1850-2005”

Journal of Geophysical Research, 112, D12117, [doi:10.1029/2006JD008249](https://doi.org/10.1029/2006JD008249)

Brunet, M., Sigro, J., Jones, P.D., Saladie, O., Aguilar, E., Moberg, A., Lister, D. and Walther, A., 2007
“Long-term changes in extreme temperatures and precipitation in Spain”
Contributions to Science, vol. 3, Issue 3 (in press)_

Busby, S.J., Briffa, K.R. and Osborn, T.J., 2007
“Simulation of ENSO forcings on U.S. drought by the HadCM3 coupled climate model.”
Journal of Geophysical Research, 112, D18112, [doi:10.1029/2007JD008705](https://doi.org/10.1029/2007JD008705)

Canadell, J.G., Le Quere, C., Raupach, M.R., Field, C.B., Buitenhuis, E.T., Ciais, P., Conway, T.J., Gillett, N.P., Houghton, R.A., and Marland, G., 2007
“Contributions to accelerating atmospheric CO₂ growth from economic activity, carbon intensity, and efficiency of natural sinks.”
Proc. Natl. Acad. Sci., [doi:10.1073/pnas.0702737104](https://doi.org/10.1073/pnas.0702737104)

Dang, H., Gillett, N.P., Weaver, A.J. and Zwiers, F.W., 2007
“Climate change detection over different land surface vegetation classes.”
International Journal of Climatology, 27 211-220

Della-Marta, P.M., Haylock, M.R., Luterbacher, J., and Wanner, H., 2007
“Doubled length of western Europe summer heat waves since 1880.”
Journal of Geophysical Research, Vol. 112, D15103, [doi:10.1029/2007JD008510](https://doi.org/10.1029/2007JD008510)

Efthymiadis, D., Jones, P.D., Briffa, K.R., Bohm, R. and Maugeri, M., 2007
“Influence of large-scale atmospheric circulation on climate variability in the Greater Alpine Region of Europe.”
Journal of Geophysical Research, 112, D12104, [doi:10.1029/2006JD008021](https://doi.org/10.1029/2006JD008021)

Ekstrom, M., Hingray, B., Mezghani, A. and Jones, P.D., 2007
“Regional climate model data used within the SWURVE project 2: addressing uncertainty in regional climate model data for five European case study areas.”
Hydrology and Earth Systems Science, 11 1085-1096

Ekstrom, M., Jones, P.D., Fowler, H., Lenderink, G., Buishand, T.A. and Conway, D., 2007
“Regional climate model data used within the SWURVE project 1: projected changes in seasonal patterns and estimation of PET.”
Hydrology and Earth Systems Science, 11 1069-1083

Ekstrom, M., Kyriakidis, P.C., Chappell, A. and Jones, P.D., 2007
“Spatiotemporal stochastic simulation of monthly rainfall patterns in the United Kingdom (1980-1987).”
Journal of Climate, 20 4194-4210

Goodess, C.M., Hall, J., Best, M., Betts, R., Cabantous, L., Jones, P.D., Kilsby, C.G., Pearman, A. and Wallace, C.J., 2007
“Climate Scenarios and Decision Making Under Uncertainty”
Built Environment, Vol 33 No 1 10-30

Grossi, C.M., Brimblecombe, P. and Harris, I., 2007
“Predicting long term freeze-thaw risks on Europe built heritage and archaeological sites in a changing climate.”
Science of the Total Environment 377, [doi:10.1016/j.scitotenv.2007.02.014](https://doi.org/10.1016/j.scitotenv.2007.02.014) 273-281

Haylock, M.R., Jones, P.D., Allan, R.J. and Ansell, T.J., 2007
“Decadal changes in 1870-2004 Northern Hemisphere winter sea level pressure variability and its relationship with surface temperature.”
Journal of Geophysical Research, 112, D11103, [doi:10.1029/2006JD007291](https://doi.org/10.1029/2006JD007291)

Jansen, E., Overpeck, J., Briffa, K.R., and others, 2007
“Palaeoclimate”
in S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor, and H.L. Miller, editors. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the International Panel on Climate Change. Cambridge University Press, Cambridge, UK.

Jones, P.D. and Lister, D., 2007
“Intercomparison of four different Southern Hemisphere sea level pressure datasets.”
Geophysical Research Letters, 34, L10704, [doi:10.1092/2007GL029251](https://doi.org/10.1092/2007GL029251)

- Jones, P.D. and Lister, D.H., 2007
"Intercomparison of four different Southern Hemisphere sea level pressure datasets."
 Geophysical Research Letters 34, L10704, [doi:10.1092/2007GL029251](https://doi.org/10.1092/2007GL029251)
- Jukes, M.N., Allen, M.R., Briffa, K.R., Esper, J., Hegerl, G.C., Moberg, A., Osborn, T.J. and Weber, S.L., 2007
"Millennial temperature reconstruction intercomparison and evaluation."
 Climate of the Past, 3 591-609
- Keeley, S.P.E., Gillett, N.P., Thompson, D.W.J., Solomon, S. and Forster, P.M., 2007
"Is Antarctic climate most sensitive to ozone depletion in the middle of or lower stratosphere?"
 Geophysical Research Letters, 34, L22812, [doi:10.1029/2007GL031238](https://doi.org/10.1029/2007GL031238)
- Kilsby, C.G., Jones, P.D., Burton, A., Ford, A.C., Fowler, H.J., Harpham, C., James, P., Smith, A. and Wilby, R.L., 2007
"A daily weather generator for use in climate change studies."
 Environmental Modelling and Software 22 1705-1719
- Kleinen, T. and Petschel-Held, G., 2007
"Integrated assessment of changes in flooding probabilities due to climate change."
 Climatic Change, 81 (3-4) doi: 10.1007/s10584-006-9159-6. <http://dx.doi.org/10.1007/s10584-006-9159-6> 283-312
- Kleinen, T., Petschel-Held, G. and Bruckner, T., 2007
"The Probabilistic Tolerable Windows Approach"
 Climatic Change (submitted)
- Kostopoulou, E. and Jones, P.D., 2007
"Part 1"
 International Journal of Climatology 27 (in press).
- Kostopoulou, E. and Jones, P.D., 2007
"Part 2"
 International Journal of Climatology 27 (in press).
- Kostopoulou, E. and Jones, P.D., 2007
"Comprehensive analysis of the climate variability in the eastern Mediterranean Part I: map-pattern classification."
 International Journal of Climatology, 27 1189-1214
- Kostopoulou, E. and Jones, P.D., 2007
"Comprehensive analysis of the climate variability in the eastern Mediterranean Part II: relationships between atmospheric circulation patterns and surface climate elements."
 International Journal of Climatology 27 1351-1371
- Krepper, C.M., Garcia, N.O. and Jones, P.D., 2007
"Low-frequency response of the upper Parana basin."
 International Journal of Climatology, 28 351-360
- Le Quere, C., Rodenbeck, C., Buitenhuis, E.T., Conway, T.L., Langenfelds, R., Gomez, A., Labsucchagne, C., Ramonet, M., Gillett, N.P. and others, 2007
"Saturation of the Southern Ocean CO₂ sink due to recent climate change"
 Science, 316 1735-1738
- Leal, S., Melvin, T.M., Grabner, M., Wimmer, R. and Briffa, K.R., 2007
"Tree-ring growth variability in the Austrian Alps: the influence of site, altitude, tree species and climate"
 Boreas, 46 [doi:10.1080/03009480701267063](https://doi.org/10.1080/03009480701267063) 426-440
- Melvin, T.M., Briffa, K.R., Nicolussi, K. and Grabner, M., 2007
"Time-varying-response smoothing"
 Dendrochronologia, 25 [doi:10.1016/j.dendro.2007.01.004](https://doi.org/10.1016/j.dendro.2007.01.004) 65-69
- Osborn, T.J. and Briffa, K.R., 2007
"Response to the Comment on: "The spatial extent of the 20th century warmth in the context of the past 1200 years"."
 Science, 316, 1844b ([doi:10.1126/science.1141446](https://doi.org/10.1126/science.1141446))

- Philipp, A., Della-Martin, P.M., Fereday, D.T., Jones, P.D., Moberg, A. and Wanner, H., 2007
"Long-term variability of daily North Atlantic-European pressure patterns since 1850 classified by simulated annealing clustering."
 Journal of Climate, 20 4065-4095
- Santer, B.D., Mears, C., Wentz, F.J., Taylor, K.E., Gleckler, P.J., Wigley, T.M.L., Barnett, T.P., Boyle, J.S., Bruggemann, W., Gillett, N.P. et al, 2007
"Identification of human-induced changes in atmospheric moisture content"
 Proc. Natl. Acad. Sci., 104 15248-15253
- Schaeffli, B., Maraun, D. and Holschneider, M., 2007
"What drives high flow events in the Swiss Alps? Recent developments in wavelet spectral analysis and their application to hydrology"
 Adv. Wat. Resour., 30 (12) 2511-2525
- Schmidli, J., Goodess, C.M., Frei, C., Haylock, M.R., Hurrel, Y., Ribalaygua, J. and Schmith, T., 2007
"Statistical and dynamical downscaling of precipitation: An evaluation and comparison of scenarios for the European Alps."
 Journal of Geophysical Research, Vol. 112, D04105, [doi: 10.1029/2005JD007026](https://doi.org/10.1029/2005JD007026)
- Tett, S.F.B., Betts, R., Crowley, T.J., Gregory, J., Johns, T.C., Jones, A., Osborn, T.J., Ostrom, E., Roberts, D.L. and Woodage, M.J., 2007
"The impact of natural and anthropogenic forcings on climate and hydrology since 1550."
 Climate Dynamic, 28 ([doi:10.1007/s00382-006-0165-1](https://doi.org/10.1007/s00382-006-0165-1)). 3-34
- Trenberth, K.E., Jones, P.D., and others, 2007
"Observations: Surface and Atmospheric Climate Change"
 Climate Change 2007: The Physical Science Basis. Contribution of the Working Group 1 to the Fourth Assessment Report of the IPCC. Solomon, S., Qin, D., Manning, M., Chen, Z., Marquis, M., Averyt, K.B., Tignor, M. and Miller, H.L. (eds.)). Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
- Walsh, C.L., Hall, J.W., Street, R.B., Blanksby, J., Cassar, M., Ekins, P., Glendinning, S., Goodess, C.M., Handley, J., Noland, R. & Watson, S.J., 2007
"Building Knowledge for a Changing CLimate: collaborative research to understand and adapt to the impacts of climate change on infrastructure, the built environment and utilities."
 Newcastle University, March 2007
- Wilbanks, T.J., Romero Lankao, P., Bao, M., Berkhout, F., Cairncross, S., Ceron, J.-P., Kapshe, R., Muir-Wood, R. and Zapata-Marti, R., Agnew, M., et al., 2007
"Industry, settlement and society."
 Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the IPCC, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds. 357-390 Cambridge University Press
- Willett, K.M., Gillett, N.P., Jones, P.D., and Thorne, P.W., 2007
"Attribution of observed surface humidity changes to human influence."
 Nature, 449 710-712
- Zhang, X., Zwiers, F.W., Hegerl, G.C., Lambert, F.H., Gillett, N.P., Solomon, S., Stott, P.A., and Nozawa, T., 2007
"Detection of human influence on 20th century precipitation trends."
 Nature, 448 461-465
- van der Schrier, G. and Jones, P.D., 2007
"Daily temperature and pressure series for Salem, Massachusetts (1786-1829)"
 Climatic Change, [doi 10.1007/s10584-007-9292-x](https://doi.org/10.1007/s10584-007-9292-x).
- van der Schrier, G. and Jones, P.D., 2007
"Storminess and cold air outbreaks in NE America during AD 1790-1820."
 Geophysical Research Letters, L02713, [doi:10.1029/2007GL032259](https://doi.org/10.1029/2007GL032259)
- van der Schrier, G., Efthymiadis, D., Briffa, K.R. and Jones, P.D., 2007
"European alpine moisture availability for 1800-2003."
 International Journal of Climatology 27 (4), [doi:10.1002/joc.1411](https://doi.org/10.1002/joc.1411) 415-427

van der Schrier, G., Osborn, T.J., Briffa, K.R. and Cook, E.R., 2007
“Exploring an ensemble approach to estimating skill in multiproxy palaeoclimate reconstructions.”
The Holocene 17, 119-129

van der Schrier, Wallbrink, H., Wilkinson, C., 2007
“Major James Rennell's Atlantic current charts digitally available.”
History of Oceanography, 19 43-48

2006

Agnew, M.D. and Palutikof, J.P., 2006
“Impacts of short-term climate variability in the UK on demand for domestic and international tourism.”
Climate Research, 31 109-120

Alexander, L.V., Zhang, X., Peterson, T.C., Caesar, J., Gleason, B., Klein Tank, A.M.G., Haylock, M., Vazquez-Aguirre, J.L. and others, 2006
“Global observed changes in daily climate extremes of temperature and precipitation.”
Journal of Geophysical Research, 111, D05109, [doi:10.1029/2005JD006290](https://doi.org/10.1029/2005JD006290)

Alexander, L.V., Zhang, X., Peterson, T.C., Caesar, J., Gleason, G., Klein Tank, A., Haylock, M. et al, 2006
“Global observed changes in daily climate extremes of temperature and precipitation”
Journal of Geophysical Research, 111, D05109, [doi:10.1029/2005JD006290](https://doi.org/10.1029/2005JD006290)

Amelung, B. and Viner, D., 2006
“The sustainability of tourism in the Mediterranean: Exploring the future with the Tourism Comfort Index”
Journal of Sustainable Tourism, 14 (4).

Ansell, T.J., Jones, P.D., Allan, R.J., Lister, D.H., Parker, D.E., Brunet, M., Moberg, A., et al, 2006
“Daily mean sea level pressure reconstructions for the European - North Atlantic region for the period 1850-2003.”
Journal of Climate, 19 2717-2742

Brimblecombe, P., Grossi, C.M., and Harris, I., 2006
“Climate change critical to cultural heritage”
Heritage Weathering and Conservation, Taylor and Francis, London. 387-393

Brohan, P., Jendry, J., Harris, I., Tett, S.F.B. and Jones, P.D., 2006
“Uncertainty estimates in regional and global observed temperature changes: a new dataset from 1850.”
Journal of Geophysical Research, 111, D12106, [doi: 10.1029/2005JD006548](https://doi.org/10.1029/2005JD006548)

Brohan, P., Kennedy, J., Harris, I., Tett, S.F.B. and Jones, P.D., 2006
“Uncertainty estimates in regional and global observed temperature changes: a new dataset from 1850.”
Journal of Geophysical Research, 111, D12106, [doi:10.1029/2005JD006548](https://doi.org/10.1029/2005JD006548)

Brunet, M., Saladié, O., Jones, P.D., Sigro, J., Aguilar, E., Moberg, A., Lister, D.H., Walther, A., Lopez, D. and Almarza, C., 2006
“The development of a new dataset of Spanish daily adjusted temperature series (SDATS) (1850-2003)”
International Journal of Climatology, 26 1777-1802

Della-Marta, P.M., Luterbacher, J., Weissenlöh, J., Xoplaki, E., Brunet, M., Wanner, H., 2006
“Summer heat waves over western Europe 1880-2003, their change and relationship to large scale forcings”
Climate Dynamics, [doi:10.1007/s00382-007-0233-1](https://doi.org/10.1007/s00382-007-0233-1)

Efthymiadis, D., Jones, P.D., Briffa, K.R., Auer, I., Böhm, R., Schoener, W., Frei, C. and Schmidli, J., 2006
“Construction of a 10-min-gridded precipitation data set for the Greater Alpine Region for 1800-2003”
Journal of Geophysical Research, 110, D01105, [doi:10.1029/2005JD006120](https://doi.org/10.1029/2005JD006120)

Falloon, P., Smith, P., Bradley, R.I., Milne, R., Tomlinson, R., Viner, D., Livermore, M. and Brown, T., 2006
“RothC-UK - a dynamic modelling system for estimating changes in soil C from mineral soils at 1-km resolution in the UK”
Soil Use and Management [doi: 10.1111/j.1475-2743.2006.00028.x](https://doi.org/10.1111/j.1475-2743.2006.00028.x)

- Garcia-Herrera, R., Konnen, G.P., Wheeler, D.A., Preito, M.R., Jones, P.D. and Koek, F.B., 2006
"Ship logbooks help analyze pre-instrumental climate"
 EOS, 87 173 and 180
- Gillett, N.P., Kell, T.D. and Jones, P.D., 2006
"Regional climate impacts of the Southern Annular Mode"
 Geophysical Research Letters, 33, L23704, [doi: 10.1029/2006GL027721](https://doi.org/10.1029/2006GL027721)
- Grossi, C.M., Brimblecombe, P., Bonazza, A., Sabbioni, C. and Zamagni, J., 2006
"Carbon fluxes and transformation in black layers of historical buildings"
 Heritage Weathering and Conservation, Taylor and Francis, London 441-446
- Harpham, C. and Dawson, C.W., 2006
"The effect of different basis functions on a radial basis function network for time series prediction: A comparative study."
 Neurocomputing, 69 2161-2170
- Haylock, M.R. et al, 2006
"Trends in total and extreme South American rainfall 1960-2000 and links with sea surface temperature."
 Journal of Climate, 19 1490-1512
- Haylock, M.R., Cawley, G.C., Harpham, C., Wilby, R.L. and Goodess, C.M., 2006
"Downscaling Heavy Precipitation over the United Kingdom: A comparison of dynamical and statistical methods and their future scenarios"
 International Journal of Climatology, 26 1397-1415
- Hebbeln, D., Knudsen, K.-L., Gyllencreutz, R., Kristensen, P., Klitgaard-Kristensen, D., Backman, J., Scheurle, C., Jiang, H., Jones, P.D., et al, 2006
"Late Holocene coastal hydrographic and climate changes in the eastern North Sea."
 Holocene 16 987-1001
- Hegerl, G.C., Karl, T.R., Allen, M.R., Bindoff, N.L., Gillett, N.P., Karoly, D.J., Zhang, X., and Zwiers, F.W., 2006
"Climate change detection and attribution: Beyond mean temperature signals"
 Journal of Climate, 19 5058-5077
- Hulme, M., 2006
"We need a change of climate to survive"
 Times Higher Educational Supplement, 6 January 14
- Hulme, M., 2006
"An unfocused attempt to see the world through a prism of diamonds and coal dust Book review of 'Carbon and its domestication' Mannion, A."
 Times Higher Educational supplement - textbook guide 26 May XII-XIII
- Hulme, M., 2006
"Climate change in Europe: implications for the future and choices for the present, 'Climate change and biodiversity - meeting the challenge' Report of the 13th Annual Conference of the EEAC"
 English Nature 16-17
- Jones, P.D. and Briffa, K.R., 2006
"Unusual climate in northwest Europe during the period 1730 to 1745 based on instrumental and documentary data."
 Climatic Change 79 [DOI: 10.1007/s10584-006-9078-6](https://doi.org/10.1007/s10584-006-9078-6) 361-379
- Jones, P.D., Leadbetter, A., Osborn, T.J. and Bloomfield, J.P., 2006
"The impact of climate change on severe droughts: River-flow reconstructions and implied groundwater levels."
 Science Report: SC040068/SR2 58pp Environment Agency, Bristol, UK. ISBN: 1844326152.
- Jones, P.D., Lister, D.H., Wilby, R.L. and Kostopoulou, E., 2006
"Extended riverflow reconstructions for England and Wales 1865-2002."
 International Journal of Climatology, 26 219-231
- Kington, J.A. and Selinger, F., 2006
"The development and use of weather buoys 1940-2005"
 Weather 61 164-166
 (keywords: meteorology synoptic history weather buoys)

Kington, J.A. and Selinger, F., 2006

"Lindenberg Observatory meteorological flights and early studies of upper-level winds"

Meteorologische Zeitschrift 15 675-679

(keywords: meteorology synoptic history historical meteorological flights upper-wind studies)

Kington, J.A. and Selinger, F., 2006

"Wekusta: Luftwaffe Weather Reconnaissance Units & Operations 1938-1945"

Flight Recorder Publications, Ottringham, U.K. 256

(keywords: meteorology synoptic history historical meteorological reconnaissance book)

Klein Tank, A.M.G., Peterson, T.C., Quadir, D.A., Dorji, S., Zou, X., Tang, H., Santhosh, K., Joshi, U.R., Jaswal, A.K., Jones, P.D., and others, 2006

"Changes in daily temperature and precipitation extremes in central and south Asia."

Journal of Geophysical Research, 111, D16105, [doi:10.1029/2005JD006316](https://doi.org/10.1029/2005JD006316).

Krepper, C.M., Garcia, N.O. and Jones, P.D., 2006

"Paraguay river basin response to seasonal rainfall."

International Journal of Climatology, 26 1267-1278

Le Quesne, C., Stahle, D.W., Cleaveland, M.K., Therrell M.D., Aravena, J.C. and Barichivich, J., 2006

"Ancient Austrocedrus tree-ring chronologies used to reconstruct central Chile precipitation variability from A.D. 1200 to 2000."

Journal of Climate, 19, 5731-5744

Lebreiro, S.M., Frances, G., Abrantes, F.F.G., Diz, P., Bartels-Jonsdottir, H.B., Stroynowski, Z.N., Jones, P.D. and others, 2006

"Climate change and coastal hydrographic response along the Atlantic Iberian margin (Tagus Prodelta and Muros Ria) during the last two millennia."

Holocene 16 1003-1015

Lenton, T., Loutre, M., Warren, R., Goodess, C.M., Swann, M., Cameron, D., Hankin, R., Marsh, R. and Shepherd, J., 2006

"Climate Change on the millennial timescale: Tyndall Centre Technical Report 41"

http://www.tyndall.ac.uk/research/theme1/final_report/t3_18.pdf

M.R.Allen, N.P.Gillett, J.A.Kettleborough, G.C.Hegerl, R.Schnur, P.A.Scott, G.Boer, C.Covey, T.L.Delworth, G.S.Jones, J.F.B.Mitchell, T.P.Barnett, 2006

"Quantifying anthropogenic influence on recent near-surface temperature change"

Surv. Geophys., 27 491-544

Moberg, A., Jones, P.D., Lister, D.H., Walther, A., Brunet, M. et al., 2006

"Indices for daily temperature and precipitation extremes in Europe analyzed for the period 1901-2000"

Journal of Geophysical Research, Vol 111, D22106, [doi: 10.1029/2006JD007103](https://doi.org/10.1029/2006JD007103)

O'Brien, K., Eriksen, S., Sygna, L. and Naess, L.O., 2006

"Questioning complacency: Climate Change Impacts, Vulnerability, and Adaptation in Norway."

Ambio, 35 (2) 50-56

Osborn, T.J., 2006

"Recent variations in the winter North Atlantic Oscillation"

Weather, 61 353-355

Osborn, T.J. and Briffa, K.R., 2006

"The spatial extent of 20th century warmth in the context of the last 1200 years"

Science, 311 841-844

Osborn, T.J., Raper, S.C.B. and Briffa, K.R., 2006

"Simulated climate change during the last 1000 years: comparing the ECHO-G general circulation model with the MAGICC simple climate model."

Climate Dynamics, 27 185-197

Pinnegar, J.K., Viner, D., Hadley, D., Sye, S., Harris, M., Berkhout, F. and Simpson, M., 2006

"Alternative future scenarios for marine ecosystems. Technical report."

CEFAS, Lowestoft 109

Santer, B.D., Wigley, T.M.L., et al, 2006

"Forced and unforced ocean temperature changes in Atlantic and Pacific tropical cyclonogenesis regions"

Proc. Natl. Acad. Sci., 103 (38) 13905-13910

Scourse, J., Richardson, C., Forsythe, G., Harris, I., Heinemeier, J., Fraser, N., Briffa, K.R. and Jones, P.D., 2006

"First cross-matched floating chronology from the marine fossil record: data from growth lines of long-lived bivalve mollusc Arctica Islandica."

Holocene 16, 967-974

Scourse, J., Sejrup, H.-P. and Jones, P.D. (Guest Editorial), 2006

"Late Holocene oceanographic and climate change from the western European margin: the results of the HOLSMEER project."

Holocene 16, 931-935

Van der Schrier, G., Briffa, K.R., Jones, P.D. and Osborn, T.J., 2006

"Summer moisture variability across Europe"

Journal of Geophysical Research, 111, D11102

Viner, D., 2006

"Tourism and its Interactions with Climate Change"

Journal of Sustainable Tourism, 14 (4)

Viner, D. and Nicholls, S., 2006

"Climate Change and its Implications for International Tourism."

Tourism Management Dynamics, Elsevier

Viner, D., Pinnegar, J.K. and Sheard, N., 2006

"Alternative future scenarios for marine ecosystems. Summary report."

Summary report, Climatic Research Unit, University of East Anglia 24

Viner, D., Sayer, M., Uyarra, M., and Hodgson, N., 2006

"Climate Change and the European Countryside: Impacts on Land Management and Response Strategies."

Report Prepared for the Country Land and Business Association., UK. Publ., CLA, UK 180pp

Viner, D., Sayer, M., Uyarra, M., and Hodgson, N., 2006

"Climate Change and the European Countryside: Impacts on Land Management and Response Strategies."

Summary report Prepared for the Country Land and Business Association., UK. Publ., CLA, UK 24pp

Vinnikov, K.Y., Grody, N.C., Robock, A., Ronald J., Stouffer, R.J., Jones, P.D. and Goldberg, M.D., 2006

"Temperature trends at the surface and in the troposphere"

Journal of Geophysical Research, 111, D03106, [doi: 10.1029/2005JD006392](https://doi.org/10.1029/2005JD006392)

Vinther, B.M., Andersen, K.K., Jones, P.D., Briffa, K.R. and Cappelen, J., 2006

"Extending Greenland temperature records into the late-18th century."

Journal of Geophysical Research, 111, D11105, [doi: 10.1029/2005JD006810](https://doi.org/10.1029/2005JD006810)

Wade, S., Jones, P.D. and Osborn, T.J., 2006

"The impact of climate change on severe droughts: Implications for decision making."

Science Report: SC040068/SR3 86pp Environment Agency, Bristol, UK. ISBN: 1844326160

Wheeler, D., Garcia-Herrera, R., Koek, F.B., Wilkinson, C., Konnen, G., Prieto, M., Jones, P.D., and Casale, R., 2006

"CLIWOC, Climatological Database for the World's Oceans: 1750 to 1850, Results of a research project (European Union, Brussels, 2006)."

Wilby, R.L. and Harris, I., 2006

"A framework for assessing uncertainties in climate change impacts: Low-flow scenarios for the River Thames, UK"

Water Resour. Res., 42, W02419, [doi:10.1029/2005WR004065](https://doi.org/10.1029/2005WR004065)

Wilkinson, C., 2006

"British Logbooks in UK Archives 17th-19th Centuries: A survey of the range, selection and suitability of British logbooks for climatic research."

National Oceanic and Atmospheric Administration (NOAA) Climate Database Modernization Program (CDMP), (2006, with regular revisions) <http://icoads.noaa.gov/reclaim>

Wilson, R., Tudhope, A., Brohan, P., Briffa, K.R., Osborn, T. and Tett, S., 2006
“Two-hundred-fifty years of reconstructed and modeled tropical temperatures.”
Journal of Geophysical Research 111, C10007 ([doi:10.1029/2005JC3188](https://doi.org/10.1029/2005JC3188))

Zaiki, M., Konnen, G.P., Tsukahara, T., Jones, P.D., Mikami, T. and Matsumoto, K., 2006
“Recovery of the 19th century Tokyo/Osaka meteorological data in Japan.”
International Journal of Climatology, 26 399-423

Zhang, H.X., Kelly, P.M., Locke, C., Winkels, A. and Adger, W.N., 2006
“Migration in a transitional economy: Beyond the planned and spontaneous dichotomy in Vietnam.”
Geoforum, 37 (4) 1066-1081

van der Schrier, G., Briffa, K.R., Jones, P.D. and Osborn, T.J., 2006
“Summer moisture variability across Europe”
Journal of Climate, 19 2818-2834

van der Schrier, G., Briffa, K.R., Osborn, T.J. and Cook, E.R., 2006
“Summer moisture availability across North America”
Journal of Geophysical Research, 111, D11102

2005

Aguilar, E., Peterson, T.C., Ramirez Obando, P., Frutos, R., Retana, J.A., Solera, M., Soley, J., Vasquez-Aguirre, J.L. and others, 2005
“Changes in precipitation and temperature extremes in Central America and northern South America, 1961-2003”
Journal of Geophysical Research, 110, D23107, [doi:10.1029/2005JD006119](https://doi.org/10.1029/2005JD006119)

Ansell, T.J., Jones, P.D., Allen, R.J., Lister, D.H., Parker, D.E., Brunet, M., Moberg, A. et al., 2005
“Daily mean sea level pressure reconstructions for the European - North Atlantic region for the period 1850-2003”
Journal of Climate (accepted)

Auer, I., Bohm, R., Jurkovic, A., Orlik, A., Potzmann, R., Briffa, K.R., Jones, P.D., Efthymiadis, D. and others, 2005
“A new instrumental precipitation dataset for the greater alpine region for the period 1800-2002”
International Journal of Climatology, 25(2), [doi:10.1002/joc.1135](https://doi.org/10.1002/joc.1135) 139-166

Brabson, B.B., Lister, D.H., Jones, P.D. and Palutikof, J.P., 2005
“Soil moisture and predicted spells of extreme temperatures in Britain”
Journal of Geophysical Research, Vol 110, D05104, [doi:10.1029/2004JD005156](https://doi.org/10.1029/2004JD005156) American Geophysical Union R
(keywords: Climate, UK, frequency, physical environment, analysis)

Brooks, N., Adger, W.N. and Kelly, P.M., 2005
“The determinants of vulnerability and adaptive capacity at the national level and the implications for adaptation.”
Global Environmental Change 15(2), 151-163
(keywords: impacts adaptation global national level)

E. Aguilar et al, 2005
“Changes in precipitation and temperature extremes in Central America and northern South America, 1961-2003”
Journal of Geophysical Research, Vol 110, D23107, [doi:10.1029/2005JD006119](https://doi.org/10.1029/2005JD006119)

Efthymiadis, D., New, M., and Washington, R., 2005
“On the reconstruction of seasonal oceanic precipitation in the presatellite era”
Journal of Geophysical Research, 110, D06103, [doi:10.1029/2004JD005339](https://doi.org/10.1029/2004JD005339)

Ekstrom, M., Fowler, H.J., Kilsby, C.G. and Jones, P.D., 2005
“New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 2: Future estimates and use in impact studies”
Journal of Hydrology, 300(1-4) 234-251

Eriksen, S.H., Brown, K. and Kelly, P.M., 2005
“The dynamics of vulnerability: locating coping strategies in Kenya and Tanzania”
The Geographical Journal, 171, No.4 287-305 The Royal Geographical Society
(keywords: Kenya, Tanzania, adaptation, household vulnerability, drought coping strategies, environmental change)

- Esper, J., Frank, D.C., Wilson, R.J.S., Briffa, K.R., 2005
"Effect of scaling and regression on reconstructed temperature amplitude for the past millennium"
Geophysical Research Letters, 32, L07711, [doi:10.1029/2004GL021236](https://doi.org/10.1029/2004GL021236), 2005 American Geophysical Union
- Esteban, P., Jones, P.D., Martin-Vide, J. and Mases, M., 2005
"Atmospheric circulation patterns related to heavy snowfall days in Andorra, Pyrenees."
International Journal of Climatology, 25 319-329
- Fowler, H.J., Ekstrom, M., Kilsby, C.G. and Jones, P.D., 2005
"New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. 1: Assessment of control climate"
Journal of Hydrology, 300(1-4) 212-233
- Gallego, D., Garcia-Herrera, R., Ribero, P. and Jones, P.D., 2005
"Seasonal mean pressure reconstruction for the North Atlantic (1750-1850) based on early marine data"
Climates of the Past 1, 19-33
- Garcia-Herrera, R., Konnen, G.P., Wheeler, D., Prieto, M.R., Jones, P.D. and Koek, F.B., 2005
"CLIWOC: A climatological database for the world's oceans 1750-1854."
Climatic Change, 73 1-2, 1-12
- Garcia-Herrera, R., Wilkinson, C., Koek, F.B., Prieto, M., Calvo, Hernandez., 2005
"Description and general background to Ships' Logbooks as a Source of Climatic Data."
Climatic Change, 73
- Gillett, N.P., 2005
"Northern Hemisphere circulation"
Nature, 437 496
- Gillett, N.P., Allan, R.J. and Ansell, T.J., 2005
"Detection of external influence on sea level pressure with a multi-model ensemble"
Geophysical Research Letters, 32 (19), L19714, [doi:10.1029/2005GL023640](https://doi.org/10.1029/2005GL023640), 2005
- Harpham, C and Wilby, R.L., 2005
"Multi-site downscaling of daily precipitation amounts"
Journal of Hydrology, 312 235-255
- IDAG (International ad hoc Detection and Attribution Group, including Jones, P.D., 2005
"Detecting and attributing external influences on the climate system: A review of recent advances."
Journal of Climate, 18 1291-1314
- Jones, P.D. and Salmon, M., 2005
"Preliminary reconstructions of the North Atlantic Oscillation and the Southern Oscillation index from wind strength measures taken during the CLIWOC period."
Climatic Change, 73 1-2, 131-154
- Jones, P.D. and Salmon, M., 2005
"Preliminary Reconstructions of the North Atlantic Oscillation and the Southern Oscillation index of wind strength and direction taken during the CLIWOC period"
Climatic Change 73 1-2 131-154
- Kington, J.A., 2005
"The Role of Weather Flights in the History of Meteorology"
From Beaufort to Bjerknes and beyond: Critical perspectives on observing, analyzing, and predicting weather and climate, edited by Stefan Emeis and Cornelia Ludecke, Algorismus, 52 215-224
- Kostopoulou, E. and Jones, P.D., 2005
"Assessment of climate extremes in the Eastern Mediterranean."
Meteorology and Atmospheric Physics, 89 69-85
- Lambert, F.H., Gillett, N.P., Stone, D.A. and Huntingford, C., 2005
"Attribution studies of observed land precipitation changes with nine coupled models"
Geophysical Research Letters, 32 (18), L18704, [doi:10.1029/2005GL023654](https://doi.org/10.1029/2005GL023654), 2005

Matthews, J.A. and Briffa, K.R., 2005

"The 'Little Ice Age': Re-evaluation of an evolving concept"

Geografiska Annaler 87 A (1) 17-36

(keywords: Little Ice Age, climate, glaciers, glacierization, decadal variability, last millennium, Holocene)

Mitchell, T.D, Jones, 2005

"An improved method of constructing a database of monthly climate observations and associated high-resolution grids"

International Journal of Climatology vol 25, [DOI:10.1002/joc.1181](https://doi.org/10.1002/joc.1181) 693 - 712 Royal Meteorological Society R

(keywords: Climate, observations, grids, homogeneity, temperature, precipitation, vapour, cloud)

Moberg, A. and Jones, P.D., 2005

"Trends in indices for extremes in daily temperature and precipitation in central and western Europe 1901-1999"

International Journal of Climatology, 25 1173-1188

Naess, L.O., Eriksen, S., and Valentine, J., 2005

"Institutional adaptation to climate change: Flood responses at the municipal level in Norway"

Global Environmental Change, 15(2) 125 - 138

Raper, S.C.B., Giorgi, F., 2005

"Climate change projections, In T.E. Lovejoy and L.Hannah (eds): "

Biodiversity and climate change, Yale

Raper, S.C.B., and Braithwaite, R.J., 2005

"The potential for sea level rise: New estimates from glacier and ice cap area and volume distributions"

Geophysical Research Letters, 32, L05502, [doi: 10.1029/2004GL021981](https://doi.org/10.1029/2004GL021981)

Raper, S.C.B., and Braithwaite, R.J., 2005

"Reply to comment by M.F. Meier et al. on "The potential for sea level rise: New estimates from glacier and ice cap area and volume distributions""

Geophysical Research Letters, 32, L17502, [doi: 10.1029/2005GL023460](https://doi.org/10.1029/2005GL023460)

Rutherford, S., Mann, M.E., Osborn, T.J., Bradley, R.S., Briffa, K.R., Hughes, M.K. and Jones, P.D., 2005

"Proxy-based Northern Hemisphere Surface Temperature Reconstructions: Sensitivity to Method, Predictor Network, Target Season, and Target Domain"

Journal of Climate, Volume 18 , [doi:10.1175/JCLI3351.1](https://doi.org/10.1175/JCLI3351.1) 2308-2329 American Meteorological Society

Scheurle, C., Hebbeln, D. and Jones, P.D., 2005

"An 800-year reconstruction of Elbe River discharge and German Bight sea-surface salinity"

The Holocene, 15 429-434

Thorne, P.W., Parker, D.E., Tett, S.F.B., Jones, P.D., McCarthy, M., Coleman, H. and Brohan, P., 2005

"Revisiting radiosonde upper air temperatures from 1958-2002"

Journal of Geophysical Research, 110, D18105, [doi:10.1029/2004/JD005753](https://doi.org/10.1029/2004/JD005753)

Tsimplis, M.N., Woolf, D.K., Osborn, T.J. and others, 2005

"Towards a vulnerability assessment of the UK and northern European coasts: the role of regional climate variability"

Philosophical Transactions of The Royal Society A 363 1329-1358

(keywords: sea level; waves; North Atlantic Oscillation; regional variability; scenarios)

Turner, J., Colwell, S.R., Marshall, G.J., Lachlan-Cope, T.A., Carelton, A.M., Jones, P.D., Lagun, V., Reid, P.A. and Iagovkina, S., 2005

"Antarctic climate change during the last 50 years"

International Journal of Climatology, 25 279-294

Uyarra, M.C., Cote, I.M., Gill, J.A., Viner, D., and Watkinson, A.R., 2005

"Island-specific preferences of tourists for environmental features: implications for the impact of climate change on Caribbean tourism."

Environmental Conservation, 32 11-19

Van Der Schrier, G., and Barkmeijer, J., 2005

"Bjerknes' hypothesis on the coldness during the 1790-1820 AD revisited."

Climate Dyn. [doi: 10.1007/s00382-005-0053-0](https://doi.org/10.1007/s00382-005-0053-0)

- Vose, R.S., Wuertz, D., Peterson, T.C. and Jones, P.D., 2005
"An intercomparison of trends in surface air temperature analyses at the global, hemispheric and grid-box scale."
 Geophysical Research Letters, 32, L18718, [doi:10.1029/200GL023502](https://doi.org/10.1029/200GL023502)
- Wheeler, D., and Wilkinson, C., 2005
"The Determination of logbook Wind Force and Weather Terms: The English Case."
 Climatic Change, 73
- Wigley, T.M.L., Ammann, C.M., Santer, B.D., and Raper, S.C.B., 2005
"Effect of climate sensitivity on the response to volcanic forcing"
 Journal of Geophysical Research, 110, D09107, [doi: 10.1029/2004JD005557](https://doi.org/10.1029/2004JD005557)
- Wigley, T.M.L., and Raper, S.C.B., 2005
"Extended scenarios for glacier melt due to anthropogenic forcing."
 Geophysical Research Letters, 32, L05704, [doi: 10.1029/2004GL021238](https://doi.org/10.1029/2004GL021238)
- Wilkinson, C., 2005
"British Admirals of the Napoleonic Wars; the Contemporaries of Nelson. 'Peter Rainer' in P.Lefevre & R.Harding (eds.)"
 Chatham, 2005
- Wilkinson, C., 2005
"The Non-Climatic Research Potential of Ships' Logbooks and Journals"
 Climatic Change, 73 155-167
- Zaiki, M., Konnen, G.P., Tsukahara, T., Jones, P.D., Mikami, T. and Matsumoto, K., 2005
"Recovery of 19th century Tokyo/Osaka meteorological data in Japan."
 International Journal of Climatology, 25, (in press)

2004

- Adger, W.N., Brook, N., Bentham, G., Agnew, M. and Eriksen, S., 2004
"New Indicators of vulnerability and adaptive capacity."
 Tyndall Centre for Climate Change Research, Technical Report 7, School of Environmental Sciences, University of East Anglia, Norwich, UK. 123pp
- Briffa, K.R., Osborn, T.J. and Schweingruber, F.H., 2004
"Large-scale temperature inferences from tree rings: a review."
 Global and Planetary Change 40, 11-26 Elsevier. (R)
 (keywords: temperature climate change tree rings dendro methodology statistics)
- Dai, A., Lamb, P.J., Trenberth, K.E., Hulme, M., Jones, P.D. and Xie, P., 2004
"The recent Sahel drought is real."
 International Journal of Climatology 24, 1323-1331
 (keywords: drought Africa climate change)
- Davies, T.D., 2004
"Hubert Horace Lamb (1913-1997)"
 Oxford Dictionary of National Biography, Oxford University Press, pp
- Ekstrom, M., Mctainsh, G.H. and Chappell, A., 2004
"Australian dust storms: temporal trends and relationships with synoptic pressure distributions (1960-99)."
 International Journal of Climatology 24(12), 1581-1599
 (keywords: Australia dust storms pressure historical)
- Gillett, N.P., Santer, B.D. and Weaver, A.J., 2004
"Stratospheric cooling and the troposphere."
 Nature (brief communications arising) 2 December 2004, 1-2 (R)
 (keywords: stratosphere cooling troposphere)
- Gillett, N.P., Weaver, A.J., Zwiers, F.W. and Flannigan, M.D., 2004
"Detecting the effect of climate change on Canadian forest fires"
 Geophysical Research Letters, Vol 31, Number 18 L18211, [doi:10.1029/2004GL020876](https://doi.org/10.1029/2004GL020876), 2004 R
 (keywords: emissions, greenhouse gases, human induced climate change, increased temperatures)

Gillett, N.P., Weaver, A.J., Zwiers, F.W. and Wehner, M.F., 2004

"Detection of volcanic influence on global precipitation"

Geophysical Research Letters, volume 31 number 12. doi:10.1029/2004GL020044 R

(keywords: Terrestrial, precipitation, climate models, volcanic aerosol, greenhouse gases)

Gillett, N.P., Wehner, M.F., Tett, S.F.B. and Weaver, A.J., 2004

"Testing the linearity of the response to combined greenhouse gas and sulfate aerosol forcing"

Geophysical Research Letters Vol 31, Number 14 L14201, doi:10.1029/2004GL020111 R

(keywords: Detection, anthropogenic, temperature, global mean changes)

Hanson, C.E., Palutikof, J.P. and Davies, T.D., 2004

"Objective cyclone climatologies of the North Atlantic - a comparison between the ECMWF and NCEP Reanalyses."

Climate Dynamics 22, 757-769 Springer-Verlag. DOI 10.1007/s00382-004-0415-z (R)

(keywords: climatology North Atlantic cyclonic ECMWF NCEP methodology)

Harpham, C. and Wilby, R.L., 2004

"Multi-site simulation of daily precipitation amounts using artificial neural networks"

British Hydrological Society International Conference on Hydrology: Science & Practice for the 21st Century

Harpham, C., Dawson, C.W. and Brown, M.R., 2004

"A Review of Genetic Algorithms Applied to Training Radial Basis Function Networks."

Neural Computing & Applications, 13 (3) 193-201

Haylock, M.R. and Goodess, C.M., 2004

"Interannual variability of European extreme winter rainfall and links with mean large-scale circulation."

International Journal of Climatology 24, 759-776 Royal Meteorological Society (R)

(keywords: Europe impacts extreme events rainfall precipitation circulation variability)

Hoar, M.R., Palutikof, J.P. and Thorne, M.C., 2004

"Model intercomparison for the present day, the mid-Holocene, and the Last Glacial Maximum over western Europe."

Journal of Geophysical Research 109, D08104. 25pp American Geophysical Union, doi:10.1029/2003JD004161 (R)

(keywords: modelling Europe methodology GCMS Holocene historical reconstructions)

Jones, P.D. and Lister, D.H., 2004

"The development of monthly temperature series for Scotland and Northern Ireland."

International Journal of Climatology 24, 569-590 Royal Meteorological Society. Published online in Wiley InterScience

(www.interscience.wiley.com). DOI: 10.1002/joc.1017 (R)

(keywords: temperature monthly Scotland Northern Ireland Europe regional UK methodology)

Jones, P.D. and Mann, M.E., 2004

"Climate over past millennia."

Reviews of Geophysics 42, 42pp American Geophysical Union. Paper number 2003RG2002/2004, doi:

10.1029/2003RG000143 (R)

(keywords: climate historical climate change reconstructions proxy)

Moberg, A. and Jones, P.D., 2004

"Regional Climate Models simulations of daily maximum and minimum near-surface temperatures across Europe compared with observed station data for 1961-1990."

Climate Dynamics 23, 695-715

Ness, L., Neal, C., Davies, T.D., Reynolds, B., 2004

"Impacts of the North Atlantic Oscillation on stream water chemistry in mid-Wales."

Hydrology and Earth System Sciences 8 (3) 409-421

Osborn, T.J., 2004

"Simulating the winter North Atlantic Oscillation: the roles of internal variability and greenhouse gas forcing."

Climate Dynamics 22, 605-623 Springer-Verlag. DOI 10.01007/s00382-004-0405-1 (R)

(keywords: winter NAO modelling variability greenhouse gas global warming oceans)

Osborn, T.J. and Briffa, K.R., 2004

"The real colour of climate change?"

Science 306, 621-622 (doi.10.1126/science/1104416)

(keywords: climate change)

Palutikof, J.P. and Holt, T., 2004

"Climate change and the occurrence of extremes: some implications for the Mediterranean Basin."

Chapter 4 in: Environmental Challenges in the Mediterranean 2000-2050 (Ed. A. Marquina), pp.61-73 Kluwer Academic

Publishers (R)

(keywords: climate change extremes impacts Mediterranean regional Europe)

Palutikof, J.P., Agnew, M.D. and Hoar, M.R., 2004

"Public perceptions of unusually warm weather in the UK: impacts, responses and adaptations."

Climate Research 26(1), 43-59

(keywords: survey impacts extremes UK adaptations)

Pidgeon, J.D., Jaggard, K.W., Lister, D.H., Richter, G.M. and Jones, P.D., 2004

"Climatic impact on the productivity of sugarbeet in Europe."

Zuckerindustrie 129 20-25

Simmons, A.J., Jones, P.D., da Costa Bechtold, V., Beljaars, A.C.M., Kallberg, P.W., Saarinen, S.M., Viterbo, P. and Wedi, N., 2004

"Comparison of trends and variability in CRU, ERA-40 and NCEP/NCAR analyses of monthly-mean surface air temperature."

ERA-40 Project Report Series 18 38pp ECMWF, Reading, UK

Simmons, A.J., Jones, P.D., da Costa Bechtold, V., Beljaars, A.C.M., Kallberg, Saarinen, S., Uppala, S.M., Viterbo, P. and Wedi, N., 2004

"Comparison of trends and low-frequency variability in CRU, ERA-40, and NCEP/NCAR analyses of surface air temperature."

Journal of Geophysical Research 109, [doi:10.1029/2004JD005306](https://doi.org/10.1029/2004JD005306), D24115 American Geophysical Union (R)

(keywords: trends variability surface air temperature)

Trigo, R.M., Corte-Real, J. and Osborn, T.J., 2004

"The impact of the North Atlantic Oscillation on European climate and river flow of three major Iberian rivers."

In: La Oscilacion del Atlantico Norte y su influencia sobre la Penonsula Iberica y Canarias (Ed. Gimeno, L. Garcia, R., Trigo, R.M. and de Ila Torre, L.), 135-158 Parque Tecnologico de Galicia, Ourense, Spain (In Spanish)

(keywords: NAO Europe climate change hydrology Iberian Peninsula)

Trigo, R.M., Pozo-Vazquez, D., Osborn, T.J., Castro-Diez, Y., Gamiz-Fortis, S. and Estaban-Parra, M.J., 2004

"North Atlantic Oscillation influence on precipitation, river flow and water resources in the Iberian Peninsula."

International Journal of Climatology 24, 925-944 (R)

(keywords: NAO precipitation hydrology water Spain Iberian Peninsula Portugal Europe regional)

Turner, J., Colwell, S.R., Marshall, G.J., Lachlan-Cope, T.A., Jones, P.D., Lagun, V., Reid, P.A and Iagovkina, S., 2004

"The SCAR READER Project: Toward a high-quantity database of mean Antarctic meteorological observations"

Journal of Climate 17, 2890-2898

Viner, D. and Sayer, M., 2004

"Sea-level Rise and Coastal Defence in the Southern North Sea."

Country Land and Business Association and Climatic Research Unit.

(keywords: sea level rise coastal defence North Sea regional oceans)

Viner, D. and Wallace, C., 2004

"Climate Change and Sea-Level Rise."

In: Sea Level Rise and Coastal Defence in the Southern North Sea. Country Land and Business Association and Climatic Research Unit.

(keywords: sea level rise coastal defence North Sea Europe impacts climate change regional)

Voight, T., van Minnen, J., Erhard, M., Zebisch, M., Viner, D. and Koelemeijer, R., 2004

"Indicators of Europe's Changing Climate."

100pp European Environment Agency, Copenhagen.

(keywords: Europe regional climate change global warming indicators impacts)

Wheeler, D., and Wilkinson, C., 2004

"From Calm to Storm, the Origins of the Beaufort Wind Force Scale"

Mariners Mirror, the Journal of the Society for Nautical Research

Wilkinson, C., 2004

"The British Navy and the State of the Eighteenth Century"

Boydell and Brewer, May 2004

van der Schrier, G., Weber, S.L., Drijfhout, S.S. and Lowe, J.A., 2004

"Low-frequency Atlantic sea level variability."

Global and Planetary Change 43, 129-144. (R)

(keywords: sea level variability Atlantic regional climate change)

2003

Aguilar, E., Auer, I., Brunet, M., Peterson, T.C. and Weringa, J., 2003

"Guidelines on Climate Metadata and Homogenization"

World Climate Programme Data and Monitoring, WMO-TD no. 1186 51 pp World Meteorological Organisation, Geneva

Baldwin, M.P., Thompson, D.W.J., Shuckburgh, E.F., Norton, W.A. and Gillett, N.P., 2003

"Weather from the stratosphere?"

Science, 301 (Invited) 317-319

Bigg, G.R., Jickells, T.D., Liss, P.S. and Osborn, T.J., 2003

"The role of the oceans in climate."

International Journal of Climatology 23, 1127-1159 ([doi:10.1002/joc.926](https://doi.org/10.1002/joc.926))

(keywords: oceans oceanography climate)

Bradley, R.S., Briffa, K.R., Cole, J., Hughes, M.K. and Osborn, T.J., 2003

"The climate of the last millennium."

In: Paleoclimate, Global Change and the Future (Eds. K.D. Alverson, R.S. Bradley and Thomas F. Pedersen), Global Change - The IGBP series (PAGES), pp.105-141 Springer-Verlag

(keywords: climate millennium historical change global warming trends)

Bridgman, H.A., Davies, T.D., Jickells, T.D., Keder, J., Bridges, K.S., Hunova, I., Zeman, Z. and Surapipith, V., 2003

"Meteorological controls on fog events in the Krusne Hory region, NW Czech Republic; a case study."

Meteorological Journal 5(3), 7-15 Slovak Hydrometeorological Institute, Bratislava.

(keywords: meteorology fog Czechoslovakia Czech Republic Europe)

Cawley, G.C., Haylock, M., Dorling, S.R., Goodess, C. and Jones, P.D., 2003

"Statistical downscaling with artificial neural networks."

ESANN-2003, Bruges Belgium, April 2003. Proc. European Symposium on Artificial Neural Networks, pp.167-172

(keywords: statistics downscaling neural networks methodology)

Clark, R.A., Fox, C., Viner, D. and Livermore, M., 2003

"North Sea cod and climate change - modelling the effects of temperature on population dynamics."

Climate Change Biology 9, 1-12

(keywords: fish North Sea oceans climate change modelling temperature impacts)

Cook, E.R., Krusic, P. and Jones, P.D., 2003

"Dendroclimatic signals in long tree-ring chronologies from the Himalayas in Nepal."

International Journal of Climatology 23, 707-732

(keywords: dendrochronology tree rings Nepal Himalayas mountains south east Asia climate change)

Covey, C., AchutaRao, K.M., Cubasch, U., Jones, P.D., Lambert, S.J., Mann, M.E., Phillips, T.J. and Taylor, K.E., 2003

"An overview of results from the Coupled Model Intercomparison Project."

Global and Planetary Change 37, 103-133

(keywords: modelling results GCMs climate change)

Gillett, N.P. and Thompson, D.W.J., 2003

"Simulation of Recent Southern Hemisphere Climate Change"

Science, 302. 273-275 American Association for the Advancement of Science R

(keywords: High Latitudes, stratosphere, troposphere, anthropogenic, emissions, models, observations)

Gillett, N.P., Graf, H.F. and Osborn, T.J., 2003

"Climate change and the North Atlantic Oscillation."

In: North Atlantic Oscillation: climatic significance and environmental impact (Eds. J.W. Hurrell, Y. Kushnir, G. Ottersen and M. Visbeck), Geophysical Monograph 134, pp.193-209 American Geophysical Union. ([doi:10.1029/134GM09](https://doi.org/10.1029/134GM09))

(keywords: climate change NAO North Atlantic oceans global warming)

Gillett, N.P., Zwiers, F.W., Weaver, A.J. and Stott, P.A., 2003

"Detection of human influence on sea-level pressure."

Nature 422, 292-294 R

(keywords: sea-level pressure global warming climate change detection anthropogenic)

Gillett, N.P., Graf, H.F., Osborn, T.J., 2003

"Climate Change and the North Atlantic Oscillation"

Geophysical Monograph 134 193-209 R

(keywords: NAO, Boreal winter index, Eurasia, external forcings, greenhouse gases)

Goodess, C.M., Hanson, C., Hulme, M. and Osborn, T.J., 2003

“Representing climate and extreme weather events in integrated assessment models: a review of existing methods and options for development.”

Integrated Assessment 4(3), 145-171 Swets and Zeitlinger (R)

(keywords: climate change extreme events impacts modelling methodology)

Goodess, C.M., Osborn, T.J. and Hulme, M., 2003

“The identification and evaluation of suitable scenario development methods for the estimation of future probabilities of extreme weather events.”

Technical Report 4, Tyndall Centre for Climate Change Research, April 2003, 65pp Tyndall Centre for Climate Change Research, University of East Anglia, Norwich, U.K. Can be located at: http://www.tyndall.ac.uk/research/theme3/final_reports/it1_16.pdf

(keywords: scenario extreme weather impacts methodology)

Hanson, C., MacDonald, R., Quine, C. and Palutikof, J., 2003

“An integrated assessment of the potential for change in storm activity over Europe: implications for the insurance and forestry industries in the UK.”

In: Proc. Royal Meteorological Society Conference 2003, 1-5th September, University of East Anglia, Norwich, UK, p.30

(keywords: climate change storms extreme events impacts insurance forestry dendro UK regional Europe)

Hanson, C., Palutikof, J., Osborn, T., Davies, T.D., Holt, T. and Quine, C., 2003

“An integrated assessment of the potential for change in storm activity over Europe: implications for forestry in the UK.”

In: Proc. International Conf. on Wind Effects on Trees (eds. B. Ruck, C. Kottmeier, C. Mattheck, C. Quine and G. Wilhelm), Laboratory for Buildings and Environmental Aerodynamics, University of Karlsruhe, Germany, 129-136

(keywords: storms Europe climate change forestry trees dendrochronology)

Hanson, C.E., Holt, T. and Palutikof, J.P., 2003

“An Integrated Assessment for the Potential for Change in Storm Activity over Europe: Implications for Insurance and Forestry in the UK.”

Tyndall Centre for Climate Change Project IT1.4 Final Report. University of East Anglia

(keywords: storms impacts climate change insurance forestry dendro UK regional Europe)

Jones, P.D., 2003

“The decade of the 1990s over the Atlantic in comparison with longer instrumental and paleoclimatic records.”

ICES Marine Science Symposia 219, 25-31

(keywords: Atlantic ocean instrumental palaeo paleo historical records)

Jones, P.D. and Moberg, A., 2003

“Hemispheric and large-scale surface air temperature variations: an extensive revision and an update to 2001.”

Journal of Climate 16, [doi:10.1175/1520-0442\(2003\)016<0206:HALSSA>2.0.CO;2](https://doi.org/10.1175/1520-0442(2003)016<0206:HALSSA>2.0.CO;2). 206-223 American Meteorological Society (R)

(keywords: surface air temperature climate change global warming data)

Jones, P.D. and Thompson, R., 2003

“Instrumental Records.”

In, Global Change in the Holocene. (Eds. A. Mackay, R. Batterbee, J. Birks and F. Oldfield) 140-158 Arnold, London

Jones, P.D., Lister, D.H., Jaggard, K.W. and Pidgeon, J.D., 2003

“Future climate impact on the productivity of sugar beet (Beta vulgaris L.) in Europe.”

Climatic Change 58, 93-108 (R)

(keywords: climate change impacts agriculture sugar beet Europe)

Jones, P.D., Moberg, A., Osborn, T.J. and Briffa, K.R., 2003

“Surface climate responses to explosive volcanic eruptions seen in long European temperature records and mid-to-high latitude tree-ring density around the Northern Hemisphere.”

In: Volcanism and the Earth's Atmosphere (A. Robock et al., Eds.). 239-254 American Geophysical Union, Washington, D.C.

(keywords: climate change volcanoes Europe historical records proxy temperature tree rings dendrochronology NH)

Jones, P.D., Osborn, T.J. and Briffa, K.R., 2003

“Pressure-based measurements of the North Atlantic Oscillation (NAO): A comparison and an assessment of changes in the strength of the NAO and in its influence on surface climate parameters.”

In: North Atlantic Oscillation: climatic significance and environmental impact (Eds. J.W. Hurrell, Y. Kushnir, G. Ottersen and M. Visbeck), Geophysical Monograph 134, pp.51-62 American Geophysical Union, Washington. (R)

(keywords: pressure NAO North Atlantic oceans methodology surface climate parameters)

Jones, P.D., Osborn, T.J. and Briffa, K.R., 2003

“Changes in the Northern Hemisphere annual cycle: implications for paleoclimatology?”

Journal of Geophysical Research 108, 4588 ([doi:10.1029/2003JD003695](https://doi.org/10.1029/2003JD003695)) (R)

(keywords: NH palaeoclimatology palaeo paleoclimatology climate change)

- Klingbj r, P. and Moberg, A., 2003
 "A composite monthly temperature record from Tornedalen in northern Sweden, 1802-2002."
 International Journal of Climatology 23, 1465-1494 Wiley InterScience (www.interscience.wiley.com). DOI: 10.1002/joc.946.
 (R)
 (keywords: temperature monthly regional Sweden Europe historical data)
- Konnen, G.P., Zaiki, M., Baede, A.P.M., Mikami, T., Jones, P.D. and Tsukuhara, T., 2003
 "Pre-1872 extension of the Japanese instrumental meteorological observation series back to 1819."
 Journal of Climate 16, 118-131
 (keywords: Japan Far East meteorological observational datasets historical)
- Krepper, C.M., Garcia, N.O. and Jones, P.D., 2003
 "Interannual variability in the Uruguay River basin."
 International Journal of Climatology 23, 103-115
 (keywords: variability Uruguay South America climate change regional)
- Magana, V.O., Vazquez-Aguirre, J.L., Perez, J.L. and Perez, J.B., 2003
 "Impact of El Nino on precipitation in Mexico"
 Geofisica Internacional Vol. 42, Num. 3 313-330
- Mann, M., Ammann, C., Bradley, R., Briffa, K., Jones, P., Osborn, T., Crowley, T., Hughes, M., Oppenheimer, M. and others, 2003
 "On past temperatures and anomalous late-20th century warmth."
 EOS 84, 256-257
 (keywords: historical temperature reconstruction climate change global warming)
- Mann, M., Ammann, C., Bradley, R., Briffa, K.R., Jones, P.D., Osborn, T.J. and others., 2003
 "Response to Soon et al's comment on 'On past temperatures and anomalous late-20th century warmth'."
 EOS 84, 473-476
 (keywords: historical temperature reconstruction climate change global warming)
- Mann, M.E. and Jones, P.D., 2003
 "Global surface temperatures over the past two millennia."
 Geophysical Research Letters 30 (doi:10.1029/2003GL017814), 1820
 (keywords: global surface temperature historical datasets records global warming climate change)
- Matthews, H.D., Weaver, A.J., Meissner, K.J., Gillett, N.P., Eby, M., 2003
 "Natural and anthropogenic climate change: incorporating historical land cover change, vegetation dynamics and the global carbon cycle"
 Climate Dynamics, Volume 22 461-479 Springer R
 (keywords: Natural, Human, Influences, biophysical, biochemical, effects)
- Moberg, A., Alexandersson, H., Bergstrom, H. and Jones, P.D., 2003
 "Were south Swedish summer temperatures before 1860 as warm as measured?"
 International Journal of Climatology 23, 1495-1521
- Osborn, T.J. and Jones, P.D., 2003
 "Circulation anomalies and UK climate."
 Weather 58, 129-130
 (keywords: atmospheric circulation UK climate change Europe regional ae^)
- Pidgeon, J.D., Jaggard, K.W., Lister, D.H., Richter, G.M. and Jones, P.D., 2003
 "Climatic impact on the productivity of sugar beet in Europe."
 Proc. 66th IIRB Congress, 26th Feb-1st March, 2003, San Antonio, Texas, USA
- Prohom, M.J., Esteban, P., Martin-Vide, J. and Jones, P.D., 2003
 "Surface atmospheric circulation over Europe following major tropical volcanic eruptions"
 In, Volcanism and the Earth's Atmosphere. (Eds. A. Robock and C. Oppenheimer) 273-281 American Geophysical Union, Washington, D.C.
- Renssen, H. and Osborn, T., 2003
 "Holocene climate variability investigated using data-model comparisons."
 CLIVAR Exchanges 26 (electronic supplement), 1-3
 (keywords: Holocene climate variability change modelling methodology)
- Renssen, H. and Osborn, T., 2003
 "Investigating Holocene climate variability: data-model comparisons."

Thorne, P.W., Jones, P.D., Tett, S.F.B., Allen, M.R., Parker, D.E., Stott, P.A., Jones, G.S., Osborn, T.J. and Davies, T.D., 2003
“*Probable causes of late twentieth century tropospheric temperature trends.*”

Climate Dynamics 21, 573-591 Springer Verlag. [DOI 10.1007/s00382-003-0353-1](https://doi.org/10.1007/s00382-003-0353-1) (R)

(keywords: troposphere temperature trends historical causes)

Viner, D., 2003

“*Climate Change Impacts Assessments - A Review of the IPCC WGII TAR.*”

Global Ecology and Biogeography 12, 87-88

(keywords: climate change impacts methodology IPCC)

Viner, D. and Beckon, S., 2003

“*Climate change mitigation policies and the global tourism industry.*”

Climate Change Management 9, -----

(keywords: climate change mitigation impacts tourism global warming industry)

Viner, D. and Palutikof, J.P., 2003

“*The changing interactions between climate and Forestry.*”

In: Forest Research and the 6th Framework Programme. Report of the Open Seminar 5th November 2002 Paris. European Forestry Institute

(keywords: climate change forestry agriculture impacts)

Vinther, B.M., Andersen, K.K., Hansen, A.W., Schmith, T. and Jones, P.D., 2003

“*Improving the Gibraltar/Reykjavik NAO index.*”

Geophysical Research Letters 39, 2222 [doi:10.1029/2003/GL18220](https://doi.org/10.1029/2003/GL18220)

Wilkinson, C., 2003

“*'Scoundrels and Malefactors'*”

in Richard O'Neill, Patrick O'Brian's Navy, Chrysalis, 2003. Published to coincide with the film Master and Commander

2002

Allan, R.J., Reason, C.J.C., Carroll, P. and Jones, P.D., 2002

“*A reconstruction of Madras (Chennai) mean sea-level pressure using instrumental records from the late 18th and early 19th centuries.*”

International Journal of Climatology 22, 1119-1142

(keywords: reconstructions India sea level pressure instrumental records historical)

Brabson, B.B. and Palutikof, J.P., 2002

“*The evolution of extreme temperatures in the Central England temperature record.*”

Geophysical Research Letters 29(No.24), 16(1)-16(4) American Geophysical Union. Also available

as [doi:10.1029/2002GL015964](https://doi.org/10.1029/2002GL015964) (R)

(keywords: temperature air CET historical global warming climate change UK Europe England extremes impacts)

Braithwaite, R.J. and Raper, S.C.B., 2002

“*Glaciers and their contribution to sea level change.*”

Physics and Chemistry of the Earth (in press)

(keywords: glaciers sea level climate change impacts global warming)

Bridges, K.S., Jickells, T.D., Davies, T.D., Zeman, Z. and Hunova, I., 2002

“*Aerosol, precipitation and cloud water chemistry observations on the Czech Krusne Hory plateau adjacent to a heavily industrialised valley.*”

Atmospheric Environment 36, 353-360

(keywords: aerosol precipitation cloud water chemistry observations Czechoslovakia Czech Republic pollution industrialisation)

Briffa, K.R. and Matthews, J.A., 2002

“*ADVANCE-10K: a European contribution towards a hemispheric dendroclimatology for the Holocene.*”

The Holocene 12, 639-642

(keywords: Holocene tree rings dendro Europe)

Briffa, K.R. and Matthews, J.A. (eds), 2002

“*Analysis of dendrochronological variability and associated natural climates in Eurasia (ADVANCE-10K).*”

The Holocene (Special Issue) 12(6), 759pp Available in The Holocene (Special Issue) 12(6). Some copies may be left - please

email k.briffa@uea.ac.uk
(keywords: dendro tree-rings Eurasia Europe methodology)

Briffa, K.R. and Osborn, T.J., 2002

"Blowing hot and cold."

Science 295, 2227-2228 (R)

(keywords: paper)

Briffa, K.R., Osborn, T.J., Schweingruber, F.H., Jones, P.D., Shiyatov, S.G. and Vaganov, E.A., 2002

"Tree-ring width and density around the Northern Hemisphere: Part 1, local and regional climate signals."

The Holocene 12, 737-757

(keywords: tree rings dendro NH regional Europe climate proxy)

Briffa, K.R., Osborn, T.J., Schweingruber, F.H., Jones, P.D., Shiyatov, S.G. and Vaganov, E.A., 2002

"Tree-ring width and density around the Northern Hemisphere: Part 2, spatio-temporal variability and associated climate patterns."

The Holocene 12, 759-789

(keywords: Holocene tree rings NH time series climate change proxy data)

Camuffo, D. and Jones, P.D. (Editors), 2002

"Improved Understanding of Past Climatic Variability from Early Daily European Instrumental Sources."

392pp Kluwer Academic Publishers, Dordrecht

Collins, M., Osborn, T.J., Briffa, K.R. and Schweingruber, F.H., 2002

"A comparison of the variability of a climate model with palaeo-temperature estimates from a network of tree-ring densities."

Journal of Climate 15, 1497-1515

(keywords: climate change modelling palaeo temperature tree-rings methodology)

Dawson, C.W., Harpham, C., Wilby, R.L. and Chen, Y., 2002

"An evaluation of artificial neural network techniques for flow forecasting in the river Yangtze, China."

Hydrology and Earth System Sciences, 6 (4) 619-626

Eronen, M., Zetterberg, P., Briffa, K.R., Lindholm, M., Merilainen, J. and Timonen, M., 2002

"The supra-long scots pine tree-ring record for Finnish Lapland: Part 1, chronology construction and initial inferences."

The Holocene 12, 637-680

(keywords: tree rings Finland Europe Lapland chronologies dendro)

Gillett, N.P., Allen, M.R. and Williams, K.D., 2002

"The role of stratospheric resolution in simulating the Arctic Oscillation response to greenhouse gases."

Geophysical Research Letters, 29 (10) [doi: 10.1029/2001GL014444](https://doi.org/10.1029/2001GL014444)

Gillett, N.P., Allen, M.R., McDonald, R.E., Senior, C.A., Shindell, D.T. and Schmidt, G.A., 2002

"How linear is the Arctic Oscillation response to greenhouse gases?"

Journal of Geophysical Research, 107 (D3) [doi: 10.1029/2001JD000589](https://doi.org/10.1029/2001JD000589)

Gillett, N.P., Allen, M.R., Williams, K.D., 2002

"Modelling the atmospheric response to doubled CO₂ and depleted stratospheric ozone using a stratosphere-resolving coupled GCM"

Q.J.R. Meteorol Soc.(2003) 129 947-966 R

(keywords: Ozone depletion, Antarctic Oscillation, Arctic Oscillation Climate Change, Climate sensitivity, models)

Gillett, N.P., Zwiers, F.L., Weaver, A.J., Hegerl, G.C., Allen, M.R., Stott, P.A., 2002

"Detecting anthropogenic influence with a multi-model ensemble"

Geophysical Research Letters Vol 29,NO.20,1970,[doi:10.1029/2002GL015836](https://doi.org/10.1029/2002GL015836) R

(keywords: greenhouse gas, human, seasonal predictions, atmospheric variables)

Goodess, C.M. and Jones, P.D., 2002

"Links between circulation and changes in the characteristics of Iberian rainfall"

International Journal of Climatology 22, 1593-1615 Royal Meteorological Society (R)

(keywords: atmospheric circulation iberian peninsula iberia Spain Portugal Europe rainfall precipitation climate change impacts)

Goodess, C.M. and Palutikof, J.P., 2002

"Local and Regional Responses to Global Climate Change in South-east Spain."

Chapter 18 in: Mediterranean Desertification: A Mosaic of Processes and Responses (N.A. Geeson, C.J. Brandt and J.B. Thornes, eds.), pp.247-268 John Wiley & Sons, Ltd. (R)

(keywords: book chapter regional global climate change Spain Europe)

Groisman, P. and Davies, T.D., 2002

"Snow cover and the climate system."

In: Snow Ecology (H.G. Jones, J.W. Pomeroy, D.A. Walker & R.W. Hoham, Eds.), pp.1-44 Cambridge University Press.

(keywords: snow climate change impacts)

Grudd, H., Briffa, K.R., Karlen, W., Bartholin, T.S., Jones, P.D. and Kromer, B., 2002

"A 7400-year tree-ring chronology in northern Swedish Lapland: natural climatic variability expressed on annual to millennial timescales."

The Holocene 12, 657-665

(keywords: tree rings chronologies Lapland Sweden Europe regional climate change dendro historical proxy)

Hanson, C., Palutikof, J., Jones, A. and Holt, T., 2002

"Objective Cyclone Climatologies of the North Atlantic using NCEP/NCAR and ECMWF Reanalyses: Implications for the UK Insurance Industry."

In: Proc. 13th Conference on Applied Climatology, 13-16 May 2002, Portland, Oregon. American Meteorological Society

(keywords: cyclone climatologies North Atlantic Oceans modelling impacts extreme events storms UK insurance)

Hulme, M., Jenkins, G., Brooks, N., Cresswell, D., Doherty, R., Durman, C., Gregory, J., Lowe, J. and Osborn, T., 2002

"What is happening to global climate and why?"

In: Health Effects of Climate Change in the U.K., pp.18-49 Department of Health, London.

(keywords: global climate change impacts health)

Jones, P.D., 2002

"Changes in climate and variability over the last 1000 years."

In: Meteorology at the Millennium (Ed. R.P. Pearce), pp.133-142 Academic Press (R)

(keywords: climate change variability meteorology GCMs modelling forecasting oceans CO2)

Jones, P.D., 2002

"Greenhouse effect and climate data."

In: Encyclopedia of Physical Science and Technology 7, 87-106 Academic Press (R)

(keywords: greenhouse effect global warming climate change datasets data surface temperature marine global hemispheric extremes historical precipitation)

Jones, P.D., 2002

"Climate models and climate extremes."

Building Serv. Eng. Res. Technol. 23(4), 287-293 Chartered Institution of Building Services Engineers. (R)

(keywords: climate modelling climate change extremes impacts methodology)

Jones, P.D., 2002

"Surface temperature trends."

Encyclopedia of Atmospheric Sciences (Eds. James R. Holton, John Pyle, Judith A. Curry), pp.898-910 6-volume set from Elsevier. <http://earth.elsevier.com/> (R)

(keywords: surface temperature data historical records global warming climate change)

Jones, P.D., 2002

"The Global Temperature Record."

In: Encyclopedia of Global Environmental Change, Volume 1, The Earth System: physical and chemical dimensions of global environmental change (M.C. MacCracken and J.S. Perry, volume Eds.), pp.82-98 Wiley, Chichester

(keywords: global temperature record climate change global warming)

Jones, P.D. and Lister, D.H., 2002

"The daily temperature record for St. Petersburg (1743-1996)."

Climatic Change 53, 253-267 Kluwer Academic Publishers (R)

(keywords: temperature historical records data Russia Europe regional)

Jones, P.D., Briffa, K.R., Osborn, T.J., Moberg, A. and Bergstrom, H., 2002

"Relationships between circulation strength and the variability of growing-season and cold-season climate in northern and central Europe."

The Holocene 12, 643-656

(keywords: climate change dendro tree rings Europe regional NH proxy)

Kelly, P.M., Leuschner, H.H., Briffa, K.R. and Harris, I.C., 2002

"The climatic interpretation on pan-European signature years in oak ring-width series."

The Holocene 12, 689-694 (R)

(keywords: climate change historical proxy tree rings dendro data oak time series)

Livermore, M.T.J., Palutikof, J.P., Bentham, C.G. and Osborn, T.J., 2002

"Climate change impacts in Europe - the role of extreme temperature events."

In: Proc. 13th conf. on Applied Climatology, Portland, Oregon, May 2002, pp.104-105 American Meteorological Society, Boston,

U.S.A.

(keywords: climate change impacts Europe extreme events temperature)

Luterbacher, J., Xoplaki, E., Dietrich, D., Jones, P.D., Davies, T.D., Portis, D., Gonzalez-Rouco, J.F., von Storch, H. and others, 2002

“Extending North Atlantic Oscillation reconstructions back to 1500.”

Atmospheric Science Letters 2 ([doi:10.1006/asle.2001.0044](https://doi.org/10.1006/asle.2001.0044)), 114-124

(keywords: NAO oceans Atlantic reconstructions historical records proxy climate change circulation)

Milionis, A.E. and Davies, T.D., 2002

“Associations between atmospheric temperature inversions and vertical wind profiles: a preliminary assessment.”

Meteorol. Appl. 9(02), 223-228

(keywords: temperature inversions wind profiles)

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,

(keywords: datasets surface climate global land)

Osborn, T.J., 2002

“The winter North Atlantic Oscillation: roles of internal variability and greenhouse gas forcing.”

CLIVAR Exchanges 25, 54-58

(keywords: seasonal NOAA Atlantic oceans global warming greenhouse gases)

Osborn, T.J. and Briffa, K.R., 2002

“Comments on the paper of R.N. Harris and D.S. Chapman 'Mid-latitude (30 degrees N - 60 degrees N) climatic warming inferred by combining borehole temperatures with surface air temperatures.’”

Geophysical Research Letters 29(16), 10.1029/2001 GL013605, 45(1)-45(2) American Geophysical Union (R)

(keywords: climate change borehole temperature surface air global warming)

Osborn, T.J. and Hulme, M., 2002

“Evidence for trends in heavy rainfall events over the U.K.”

Phil. Trans. Roy. Soc. (A), 360, 1313-1325 The Royal Society, London. ([doi:10.1098/rsta.2002.1002](https://doi.org/10.1098/rsta.2002.1002)) (R)

(keywords: rainfall precipitation statistics UK Europe regional methodology)

Palutikof, J.P., Goodess, C.M., Watkins, S.J. and Holt, T., 2002

“Generating rainfall and temperature scenarios at multiple sites: examples from the Mediterranean.”

Journal of Climate 15(24), 3529-3548 American Meteorological Society. (R)

(keywords: methodology rainfall temperature scenarios Mediterranean Europe regional)

Parry, M., Park, S., Osborn, T., Viner, D., Jones, P., Rounsevell, M., Butterfield, R., Harrison, P. and 6 others., 2002

“Investigation of thresholds of impact of climate change on agriculture in England and Wales.”

Jackson Environment Institute research report no.4, 136pp University of East Anglia, Norwich, U.K.

(keywords: climate change impacts agriculture England Wales UK Europe report)

Parry, M.L., Viner, D. and others., 2002

“Scenarios and data for future research on the impact of climate change.”

Global Environmental Change

(keywords: scenarios datasets impacts climate change)

Spurk, M., Leuschner, H.H., Baillie, M.G.L., Briffa, K.R. and Friedrich, M., 2002

“Depositional frequency of German subfossil oaks: climatically and non-climatically induced fluctuations in the Holocene.”

The Holocene 12, 707-715

(keywords: oaks tree rings climate change proxy data global warming Germany Europe NH regional)

Swart, R., Mitchell, J., Morita, T. and Raper, S., 2002

“Stabilisation scenarios for climate impact assessment.”

Global Environmental Change 12, 155-165

(keywords: scenarios modelling climate change impacts)

Thorne, P.W., Jones, P.D., Osborn, T.J., Davies, T.D., Tett, S.F.B., Parker, D.E., Stott, P.A., Jones, G.S. and Allen, M.R., 2002

“Assessing the robustness of zonal mean climate change detection.”

Geophysical Research Letters 29 ([doi:10.1029/2002GL0015717](https://doi.org/10.1029/2002GL0015717)), xxxx-yyyy

(keywords: climate change detection)

Thorne, P.W., Jones, P.D., Tett, S.F.B., Parker, D.E., Osborn, T.J. and Davies, T.D., 2002

“Ascribing potential causes of recent trends in free atmosphere temperatures.”

Atmospheric Science Letters 2, 132-142 May be accessible at <http://www.idealibrary.com/servlet/doi/10.1006/asle.2001.0046/pdf>

(keywords: temperature radiosonde climate change modelling historical datasets paper)

- Trigo, I.F. and Davies, T.D., 2002
"Meteorological conditions associated with sea surges in Venice: a 40 year climatology."
 International Journal of Climatology 22, 787-803
 (keywords: meteorology sea surge level Venice Europe regional impacts historical climatology)
- Trigo, I.F., Bigg, G.R. and Davies, T.D., 2002
"A climatology of cyclogenesis mechanisms in the Mediterranean."
 Monthly Weather Review 130, 549-569
 (keywords: climatology cyclogenesis Mediterranean)
- Trigo, R., Osborn, T.J. and Corte-Real, J., 2002
"Influencia da Oscilacao do Atlantico Norte no clima do continente Europeu e no caudal dos rios Ibericos Atlanticos."
 Finisterra XXXVII, 5-31
 (keywords: Europe climate change NAO hydrology Iberia Spain Portugal)
- Trigo, R.M., Osborn, T.J. and Corte-Real, J., 2002
"The North Atlantic Oscillation influence on Europe: climate impacts and associated physical mechanisms."
 Climate Research 20, 9-17 (R)
 (keywords: NAO Europe climate change impacts paper)
- Trigo, R.M., Osborn, T.J. and Corte-Real, J., 2002
"Erratum."
 Climate Research 22, 97-97
- Turner, J., King, J.C., Lachlan-Cope, T.A. and Jones, P.D., 2002
"Recent temperature trends in the Antarctic (Comment on paper by Doran et al.)"
 Nature 418, 291-292
- Turnpenny, J.R., Crossley, J.F., Hulme, M. and Osborn, T.J., 2002
"Air flow influences on local climate: comparison of simulations from a regional climate model with observations over the United Kingdom."
 Climate Research 20, 189-202
 (keywords: air flow climate change modelling UK regional Europe)
- Viner, D., 2002
"A qualitative assessment of the sources of uncertainty in climate change impacts assessment studies: A short discussion paper."
 Advances in Global Change Research 10, 139-151
 (keywords: climate change impacts)
- Viner, D. and Turnpenny, J., 2002
"A review of the Skeptical Environmentalist, Bjorn Lomborg."
 Journal of Economics 76(1), xxx-yyy
- Wallace, C.J. and Osborn, T.J., 2002
"Recent and future modulation of the annual cycle."
 Climate Research 22, 1-11
 (keywords: climate change)
- Wigley, T.M.L. and Raper, S.C.B., 2002
"Reasons for Larger Warming Projects in the IPCC Third Assessment Report."
 American Meteorological Society, pp.2945-2952 American Meteorological Society
 (keywords: global warming methodology impacts modelling scenarios)
- Wilby, R.L., Conway, D. and Jones, P.D., 2002
"Prospects for downscaling seasonal precipitation variability using conditioned weather generator parameters."
 Hydrological Processes 16, 1215-1234
 (keywords: downscaling precipitation variability methodology)
- Yan, Z., Jones, P.D., Davies, T.D., Moberg, A., Bergstrom, H., Camuffo, D., Cocheo, C., Maugeri, M., Demaree, G.R. and six others, 2002
"Trends of extreme temperatures in Europe and China based on daily observations."
 Climatic Change 53, 355-392 Kluwer Academic Publishers. (R)
 (keywords: temperature trends Europe China observations historical records)

Adger, W.N. and Kelly, P.M., 2001

"Social vulnerability and resilience."

Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nhuyen Huu Ninh, Eds.), pp.19-34 Routledge, London.

(keywords: social economic impacts climate change mitigation)

Adger, W.N., Kelly, P.M. and Nguyen Huu Ninh, 2001

"Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam."

314pp Routledge, London.

(keywords: climate change impacts mitigation Vietnam global warming book)

Adger, W.N., Kelly, P.M. and Nguyen Huu Ninh., 2001

"Environment, society and precipitous change."

In: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nguyen Huu Ninh, Eds.), pp.3-18 Routledge, London.

(keywords: climate change social economic impacts mitigation)

Adger, W.N., Kelly, P.M. and Nguyen Huu Ninh., 2001

"Prospects for sustainable development."

In: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nguyen Huu Ninh, Eds.), pp.263-270 Routledge, London.

(keywords: development sustainable impacts climate change)

Adger, W.N., Kelly, P.M. and Tri, N.H., 2001

"Costs and benefits of mangrove conservation and restoration."

In: Economics and Coastal and Water Resources: Valuing Environmental Functions (R.K. Turner, I.J. Bateman and W.N. Adger, Eds. pp.259-180 Kluwer, Dordrecht.

(keywords: costs benefits climate change impacts mitigation hydrology Vietnam mangroves)

Adger, W.N., Kelly, P.M. and Tri, N.H., 2001

"Valuing the ecosystem services from mangroves in tropical coastal zones."

In: The Economics of Water and Coastal Resources (Turner, R.K., Bateman, I. and Adger, W.N., eds.), pp.259-279 Kluwer, Dordrecht

(keywords: mangroves ecosystem tropics climate change global warming SH)

Adger, W.N., Kelly, P.M., Nguyen Huu Ninh and Ngo Cam Thanh., 2001

"Property rights, institutions and resource management - coastal resources under doi moi."

In: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nguyen Huu Ninh, Eds.), pp.79-92 Routledge, London.

(keywords: climate change historical development impacts mitigation social economic)

Adger, W.N., Kelly, P.M., Nguyen Huu Ninh and Thanh, N.C., 2001

"Coastal resources and management under the transition."

In: Living with Environmental Change (Adger, W.N., Kelly, P.M. and Ninh, N.D. eds.), 79-92 Routledge, London.

(keywords: book)

Agnew, M.D. & Palutikof, J.P., 2001

"Climate impacts on the demand for tourism."

In: Proceedings of the 1st International Workshop on Climate, Tourism and Recreation. Neos Marmaras, Halkidiki, Greece, 5-10 October 2001. International Society of Biometeorology, Commission on Climate Tourism and Recreation.

(keywords: tourism climate change impacts global warming economic)

Agnew, M.D. and Viner, D., 2001

"Potential impacts of climate change on international tourism."

International Journal of Tourism and Hospitality Research 3(1), 37-60 (R)

(keywords: impacts climate change tourism economic scenarios)

Alexander, L.V. & Jones, P.D., 2001

"Updated precipitation series for the United Kingdom."

Atmospheric Science Letters 1, 142-150 ([doi:10.1006/asle.2001.0025](https://doi.org/10.1006/asle.2001.0025))

(keywords: precipitation rainfall UK Europe time series datasets)

Allen, M., Raper, S.C.B. and Mitchell, J., 2001

"Uncertainty in the IPCC's Third Assessment Report."

Science 293, 431-433

(keywords: IPCC climate change global warming impacts forecasting)

Berkhout, F., Hertin, J., Lorenzoni, I., Jordan, A., Turner, R.K., O'Riordan, T., Cobb, D., Ledoux, L., Tinch, R., Palutikof, J. and others., 2001

“Presentation of the UKCIP socio-economic scenarios for climate change impact assessment.”

Chapter 2 in: Socio-economic scenarios for climate change impact assessment: a guide to their use in the UK (UK Climate Impacts Programme, Ed.), pp.15-64 UK Climate Impacts Programme (UKCIP), Oxford.

(keywords: social economic climate change impacts scenarios)

Briffa, K.R., Osborn, T.J., Schweingruber, F.H., Harris, I.C., Jones, P.D., Shiyatov, S.G. and Vaganov, E.A., 2001

“Low frequency temperature variations from a northern tree-ring density network.”

Journal of Geophysical Research 106, 2929-2941 There are no reprints, but this is downloadable

from: <http://www.cru.uea.ac.uk/cru/people/briffa/jgr2001/>

(keywords: temperature variability tree rings NH statistics)

Brunet, M. and Lopez, D. (ed), 2001

“Detecting and modelling regional climate change”

651 pp Springer Verlag, Heidelberg-Berlin. ISBN: 3-540-42239-0

Cubasch, U., Meehl, G.A., Boer, G.J., Stouffer, R.J., Dix, M., Noda, A., Senior, C.A., Raper, S.C.B. and Yap, K.S., 2001

“Projections of Future Climate Change.”

In: Climate Change 2001: The Scientific Basis: Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change (J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. Van der Linden, X. Dai, K. Maskell and C.A. Johnson (Eds.), pp.526-582 Cambridge University Press (Cambridge, New York).

(keywords: climate change forecasting projections modelling)

Davies, T.D., 2001

“ADVICE: Un Proyecto Sobre Variabilidad Climatica en Europa.”

In: Proyectos y metodos actuales en Climatologia (Nadal, J.M.R. and J. Martin-Vide, Eds.), pp.9-10 Publicaciones de la Asociacion Espanola de Climatologia (AEC) Serie B. no. 1. ISBN 84-931990-1-X.

(keywords: climate change methodology Europe ADVICE)

Folland, C.K., Rayner, N.A., Brown, S.J., Smith, T.M., Shen, S.S.P., Parker, D.E., Macadam, I., Jones, P.D. and others., 2001

“Global temperature change and its uncertainties since 1861.”

Geophysical Research Letters 28, 2621-2624

(keywords: temperature global historical trends statistics warming climate change)

Goodess, C.M., Hulme, M. and Osborn, T.J., 2001

“The identification and evaluation of suitable scenario development methods for the estimation of future probabilities of extreme weather events.”

Tyndall Centre Working Paper TWP6, Tyndall Centre, University of East Anglia, Norwich, U.K., 44pp

(keywords: scenarios modelling impacts statistics forecasting paper)

Goodess, C.M., Hulme, M. and Osborn, T.J., 2001

“The identification and evaluation of suitable scenario development methods for the estimation of future probabilities of extreme weather events.”

Tyndall Centre Working Paper TWP6, Tyndall Centre, University of East Anglia, Norwich, U.K., 44pp

(keywords: scenarios methodology probability extreme weather impacts forecasting)

Groisman, P.Ya. and Davies, T.D., 2001

“Snow cover and the climate system.”

In: Snow Ecology (H.G. Jones, J.W. Pomeroy, D.A. Walker & R.W. Hoham, Eds.), pp.1-44 Cambridge University Press.

(keywords: snow climate change precipitation)

Hegerl, G.C., Jones, P.D. and Barnett, T.P., 2001

“Effect of observational sampling error on the detection of anthropogenic climate change.”

Journal of Climate 14, 198-207

(keywords: climate change detection global warming)

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

(keywords: statistics climate change)

Hulme, M., 2001

“Climatic perspectives on Sahelian dessication: 1973-1998.”

Global Environmental Change 11, 19-29

(keywords: desertification climate change Sahel Africa)

Hulme, M., Doherty, R., Ngara, T., New, M. and Lister, D., 2001

“African climate change: 1900-2100.”

Jacobeit, J., Jones, P.D., Davies, T.D. and Beck, C., 2001

“Circulation changes in Europe since the 1780s.”

In: History and Climate: Memories of the Future? (P.D. Jones, A.E.J. Ogilvie, T.D. Davies and K.R. Briffa, eds.), pp.79-99
Kluwer Academic Publishers, New York, ISBN 0-306-46589-2.

(keywords: circulation Europe historical records climate change)

Jones, P.D., 2001

“Early European instrumental records”

In, History and Climate: Memories of the future? (Eds. P.D. Jones, A.E.J. Ogilvie, T.D. Davies and K.R. Briffa) 55-77
Kluwer/Plenum, New York

Jones, P.D. and Briffa, K.R., 2001

“The ‘Little Ice Age’: local and global perspectives. [Preface”

Climatic Change 48, 5-8 (R)

(keywords: LIA global climate change regional historical impacts)

Jones, P.D. and Briffa, K.R., 2001

“Preface to the ‘Little Ice Age’: local and global perspectives.”

Climatic Change, 48 5-8

Jones, P.D. and Reid, P.A., 2001

“Assessing future changes in extreme precipitation over Britain using regional climate model integrations.”

International Journal of Climatology 21, 1337-1356 Royal Meteorological Society. (R)

(keywords: precipitation impacts UK Europe modelling regional methodology forecasting)

Jones, P.D. and Reid, P.A., 2001

“Temperature trends in regions affected by increasing aridity/humidity.”

Geophysical Research Letters 28(20), 3919-3922 American Geophysical Union (R)

(keywords: temperature aridity humidity desertification hydrology)

Jones, P.D. and Reid, P.A., 2001

“A databank of Antarctic surface temperature and pressure data.”

ORNL/CDIAC-27, NDP-32. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, TN. <http://cdiac.esd.ornl.gov/epubs/ndp/ndp032/ndp032.html>

(keywords: Antarctic surface temperature datasets pressure climate change)

Jones, P.D., Goodess, C.M. and Davies, T.D., 2001

“Foreward to CR Special 9, ACCORD: Atmospheric Circulation Classification and Regional Downscaling.”

Climate Research 17, 247-342

(keywords: ACCORD atmospheric circulation classification regional downscaling methodology)

Jones, P.D., Ogilvie, A.E.J., Davies, T.D. and Briffa, K.R., 2001

“History and Climate: Memories of the Future?”

295pp Kluwer Academic/Plenum Publishers, New York. ISBN 0-306-46589-2.

(keywords: historical climate change global warming impacts instrumental records wind hydrology glacier agriculture economic Europe UK France volcanoes fish health)

Jones, P.D., Ogilvie, A.E.J., Davies, T.D. and Briffa, K.R., 2001

“Unlocking the doors to the past: recent developments in climate and climate-impact research.”

In: History and Climate: Memories of the Future? (P.D. Jones, A.E.J. Ogilvie, T.D. Davies and K.R. Briffa, eds.), pp.1-8 Kluwer Academic/Plenum Publishers, New York. ISBN 0-306-46589-2.

(keywords: historical records climate change impacts)

Jones, P.D., Ogilvie, A.E.J., Davies, T.D. and Briffa, K.R., 2001

“Climate and Climate Impacts: The Last 1000 Years.”

Kluwer/Plenum, 295pp

(keywords: climate change impacts historical proxy datasets reconstruction)

Jones, P.D., Ogilvie, A.E.J., Davies, T.D. and Briffa, K.R., 2001

“Climate and climate impacts through the last 1000 years: Developments in research.”

In: Climate and Climatic Impacts: The Last 1000 Years (P.D. Jones, A.E.J. Ogilvie, T.D. Davies and K.R. Briffa, Eds.), pp.55-77
Kluwer/Plenum.

(keywords: climate change historical proxy methodology reconstruction)

Jones, P.D., Osborn, T.J. and Briffa, K.R., 2001

“The evolution of climate over the last Millennium.”

Science 292, 662-667 NOTE, bits are in colour. This is downloadable from Tim Osborn's web page. (R)

(keywords: historical records climate change global warming temperature ENSO NAO SOI palaeoclimate variability tree rings proxy)

Jones, P.D., Osborn, T.J., Briffa, K.R., Folland, C.K., Horton, E.B., Alexander, L.V., Parker, D.E. and Rayner, N.A., 2001
"Adjusting for sampling density in grid box land and ocean surface temperature time series."

Journal of Geophysical Research 106, 3371-3380 (R)

(keywords: land oceanography surface temperature methodology climate change global statistics)

Kelly, M., 2001

"Climate co-operation or neo-colonial exploitation?"

Watershed 7(1), 66-67 ISSN 08591601

(keywords: climate change impacts mitigation political)

Kelly, P.M., Hoang Minh Hien and Tran Viet Lien., 2001

"Responding to El Nino and La Nina: averting tropical cyclone impacts."

Chapter 10 in: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M.

Kelly and Nguyen Huu Ninh, Eds.), pp.154-181 Routledge, London. (R)

(keywords: El Nino La Nina ENSO impacts climate change wind storms tropical cyclones mitigation)

Kelly, P.M., Tran Viet Lien, Hoang Minh Hien, Nguyen Huu Ninh and Adger, W.N., 2001

"Managing environmental change in Vietnam."

In: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nguyen Huu Ninh, Eds.) pp.35-58 Routledge, London.

(keywords: climate change global warming impacts social economic mitigation Vietnam)

Lorenzoni, I., Jordan, A., Favis-Mortlock, D.T., Viner, D. and Hall, J., 2001

"Developing sustainable practices to adapt to the impacts of climate change: a case study of agricultural systems in eastern England (UK)."

Regional Environmental Change 2, 106-117

(keywords: sustainability impacts climate change UK England agriculture global warming development UK)

Lorenzoni, I., Jordan, A., Viner, D., Favis-Mortlock, D. and Hall, J., 2001

"Sunflowers or sugar beet? Potential impacts of climate change on agriculture in Norfolk."

ECOS 21, 3-4, 47-53

(keywords: sugar beet agriculture impacts climate change UK regional)

Lorenzoni, I., Jordan, A., Viner, D., Favis-Mortlock, and Hall, J., 2001

"Potential impacts of climate change on agriculture in Norfolk."

Ecos 21(3/4), 47-53

(keywords: climate change agriculture Europe UK)

N.P. Gilett, M.P. Baldwin, M.R. Allen, 2001

"Evidence for nonlinearity in observed stratospheric circulation changes."

Journal of Geophysical Research, 106 (D8) [doi: 10.1029/2000JD900720](https://doi.org/10.1029/2000JD900720)

New, M., Todd, M., Hulme, M. and Jones, P., 2001

"Precipitation measurements and trends in the twentieth century."

International Journal of Climatology 21, 1899-1922

(keywords: precipitation rainfall instrumental historical methodology)

Nguyen Hoang Tri, Phan Nguyen Hong, Adger, W.N. and Kelly, P.M., 2001

"Mangrove conservation and restoration for enhanced resilience."

In: Living with Environmental Change: Social Vulnerability, Adaptation and Resilience in Vietnam (W.N. Adger, P.M. Kelly and Nguyen Huu Ninh, Eds.), pp.136-153 Routledge, London. (R)

(keywords: climate change global warming impacts mangroves Vietnam mitigation social economic)

Palutikof, J.P., 2001

"Validation of climate model outputs."

In: Remote Sensing and Climate Change: The Role of Earth Observation (A.P. Cracknell, Ed.), pp.185-203 Praxis, Chichester.

(keywords: climate change modelling validation)

Palutikof, J.P. and Goodess, C.M., 2001

"Application of climate change scenarios for impact studies on ecosystems over the Mediterranean area."

In: Applying Climate Scenarios for Regional Studies: with Particular Reference to the Mediterranean ECLAT-2 Toulouse Workshop Report 4 (S. Planton, C. Hanson, D. Viner and M. Hoepffner, Eds.), pp.46-57 Climatic Research Unit, University of East Anglia, Norwich.

(keywords: climate change scenarios impacts ecosystems Mediterranean Europe)

Pidgeon, J.D., Werker, A.R., Jaggard, K.W., Richter, G.M., Lister, D.H. and Jones, P.D., 2001

“Climatic impact on the productivity of sugar beet in Europe, 1961-1995.”

Agricultural and Forest Meteorology 109, 27-37 David Lister might have some reprints

(keywords: sugar beet Europe climate change impacts agriculture)

Planton, S., Hanson, C., Viner, D. and Hoepffner, M., 2001

“Applying climate scenarios for regional studies: with particular reference to the Mediterranean.”

In: Proceedings of the EU Concerted Action Initiative ECLAT-2 Workshop 4, Toulouse, France, October 13-15th, 2000. 96pp

Climatic Research Unit, University of East Anglia, Norwich, U.K.

(keywords: climate change scenarios methodology regional Mediterranean Europe)

Raper, S.C.B., Gregory, J.M. and Osborn, T.J., 2001

“Use of an upwelling-diffusion energy balance climate model to simulate and diagnose A/OGCM results.”

Climate Dynamics 17, 601-613 (R)

(keywords: modelling climate change energy A/OGCMs GCMs methodology)

Raper, S.C.B., Gregory, J.M. and Stouffer, R.J., 2001

“The role of climate sensitivity and ocean heat uptake on AOGCM transient temperature response.”

Journal of Climate 15, 124-130

(keywords: climate change oceanology GCMs modelling temperature)

Raper, S.C.B., Gregory, J.M. and Stouffer, R.J., 2001

“The role of climate sensitivity and ocean heat uptake in AOGCM transient temperature response.”

Journal of Climate 15, 124-130 American Meteorological Society.

(keywords: paper climate ocean AOGCMs GCMs modelling temperature)

Reid, P.A., Jones, P.D., Brown, O., Goodess, C.M. and Davies, T.D., 2001

“Assessments of the reliability of NCEP circulation data and relationships with surface climate by direct comparisons with station based data.”

Climate Research 17, 247-261 Inter-Research (R)

(keywords: circulation datasets surface climate change station methodology validation)

Rodriguez, R., Barriendos, M., Jones, P.D., Martin-Vide, J. and Pena, J.C., 2001

“Long pressure series for Barcelona (Spain) daily reconstruction and monthly homogenization.”

International Journal of Climatology 21, 1693-1704

(keywords: pressure Barcelona Spain regional Europe reconstruction historical records)

Roig, F.A., Le-Quesne, C., Boninsegna, J.A., Briffa, K.R., Lara, A., Grudd, H., Jones, P.D. and Villagran, C., 2001

“Climate variability 50,000 years ago in mid-latitude Chile as reconstructed from tree rings.”

Nature 410, 567-570.

(keywords: climate change Chile South America SH tree rings reconstructions proxy)

Santer, B.D., Wigley, T.M.L., Doutriaux, C., Boyle, J.S., Hansen, J.E., Jones, P.D., Meehl, G.A., Roeckner, E., Sengupta, S. and Taylor, K.E., 2001

“Accounting for the effects of volcanoes and ENSO in comparisons of modelled and observed temperature trends.”

Journal of Geophysical Research 106, 28033-28059

(keywords: volcanoes ENSO modelling temperature trends global warming climate change)

Santer, B.D., Wigley, T.M.L., Doutriaux, C., Boyle, J.S., Hansen, J.E., Jones, P.D., Meehl, G.A., Roeckner, E., Sengupta, S. and Taylor, K.E., 2001

“Accounting for the effects of volcanoes and ENSO in comparison of modelled and observed temperature trends.”

PCMDI Report Volume 67. + 18 Figures and 3 Tables, 43pp

(keywords: volcanoes ENSO modelling temperature trends climate change)

Slonosky, V., Jones, P.D. and Davies, T.D., 2001

“Variability of the surface atmospheric circulation over Europe, 1774-1995.”

International Journal of Climatology 20, 1875-1897 (R)

(keywords: atmospheric circulation surface variability Europe historical records climate change)

Slonosky, V.C., Jones, P.D. and Davies, T.D., 2001

“Atmospheric circulation and surface temperature in Europe from the 18th century to 1995.”

International Journal of Climatology 21, 63-75. (R)

(keywords: atmospheric circulation surface temperature climate change global warming historical)

Slonosky, V.C., Jones, P.D. and Davies, T.D., 2001

“Instrumental pressure observations and atmospheric circulation from the 17th and 18th centuries: London and Paris.”

International Journal of Climatology 21, 285-298

(keywords: instrumental pressure atmospheric circulation historical records London Paris UK France Europe regional)

Surapipith, V., Davies, T.D. and Jickells, T.D., 2001

"Dispersion modeling of cross-border pollution transportation in the European Black Triangle."

In: Transport and Air Pollution, Proceedings of the 10th International Symposium, National Centre for Atmospheric Research, Sept. 17-19, 2001, Boulder, Colorado, USA. pp.317-323

(keywords: dispersion modelling pollution Europe Black Triangle)

Surapipith, V., Davies, T.D. and Jickells, T.D., 2001

"Dispersion modelling of Cross-Border Air Pollution in the European Black Triangle."

In proc. Vol. 2, Natural Systems (part 2), International Congress on Modelling and Simulation. The Modelling and Simulation Society of Australia and New Zealand Inc., Australian National University, Canberra, Australia, 10-13 December 2001, pp.1019-1024

(keywords: dispersion modelling air pollution Europe)

Thorne, P.W., 2001

"Advancing Climate Change Detection and Attribution Studies in the Free Atmosphere."

Ph.D. Thesis, School of Environmental Sciences, University of East Anglia, Norwich, U.K. email. Peter.Thorne@metoffice.com

(keywords: climate change detection methodology atmosphere)

Tri, N.H., Adger, W.N. and Kelly, P.M., 2001

"Natural resource management in mitigating climate impacts: mangrove restoration in Vietnam."

In: Water Resources and Coastal Management (R.K. Turner and I.Bateman), pp.180-192 Edward Elgar: Cheltenham

(keywords: climate change impacts Vietnam South East Asia SH natural resources)

Trigo, R.M. and Palutikof, J.P., 2001

"Precipitation scenarios over Iberia: a comparison between direct GCM output and different downscaling techniques."

Journal of Climate 14, 4422-4446 American Meteorological Society. (R)

(keywords: precipitation rainfall scenarios Spain Portugal Europe GCMs methodology downscaling statistics)

Verweij, W. and Viner, D., 2001

"Description of the default climate scenario for impacts projects in NRP-II."

Report for the Dutch National Research Programme on Global Air Pollution and Climate Change, No. 410 200 058, 37pp

(keywords: climate change scenarios methodology impacts)

Viner, D. and Agnew, M.D., 2001

"The climate system and its implications for the UK."

In: Climate Change and Insurance, pp.15-26 The Chartered Insurance Institute, London.

(keywords: climate change impacts UK Europe insurance)

Wigley, T.M.L. and Raper, S.C.B., 2001

"Interpretation of high projections for global-mean warming."

Science 293, 451-454

(keywords: projections forecasting global warming methodology)

Yan, Z., Jones, P.D., Moberg, A., Bergstrom, H., Davies, T.D. and Yang, C., 2001

"Recent trends in weather and seasonal cycles - an analysis of daily data for Europe and China."

Journal of Geophysical Research 106, 5123-5138

(keywords: weather seasonal cycles trends daily data Europe China)

Yan, Z., Yang, C. and Jones, P.D., 2001

"Influence of inhomogeneity on the estimation of mean and extreme temperature trends in Beijing and Shanghai."

Advances in Atmospheric Science 18, 309-322

(keywords: extreme temperature trends China datasets statistics)

Zhang, H.X., Kelly, P.M., Locke, C., Winkels, A. and Adger, W. N., 2001

"Structure and implications of migration in a transitional economy: Beyond the planned and spontaneous dichotomy in Vietnam."

CSERGE Working Paper GEC 01-01, 33pp Centre for Social and Economic Research on the Global Environment, School of Environmental Sciences, University of East Anglia, Norwich, U.K. (R)

(keywords: impacts southeast Asia Vietnam economic social climate change migration)

de Cogan, D. and Kington, J.A., 2001

"Ireland, the Irish Meteorological Service and 'The Emergency'."

Weather 56, 387-396

(keywords: Ireland Eire Europe meteorology historical synoptic World War II history)

ACCORD. (e.g. Goodess, C.M.), 2000

“Atmospheric Circulation Classification and Regional Downscaling.”

Final Report to the European Commission (DXII). Brussels, January 2000, 420pp Available online

at <http://www.cru.uea.ac.uk/cru/projects/accord>

(keywords: accord atmospheric circulation regional downscaling methodology report)

Agnew, M.D. and Palutikof, J.P., 2000

“GIS-based construction of baseline climatologies for the Mediterranean using terrain variables.”

Climate Research 14, 115-127 (R)

(keywords: GIS climate change climatology Mediterranean Europe methodology)

Barnett, T.P. and Jones, P.D., 2000

“Reply to Bradley. Hughes and Mann.”

Bulletin of the American Meteorological Society 81, 2990-2992

Beersma, J., Agnew, M., Viner, D. and Hulme, M. (Eds.), 2000

“Climate scenarios for water-related and coastal impacts.”

Proceedings of the ECLAT-2 KNMI Workshop, 10-12 May 2000, 144pp Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: climate change scenarios coastal impacts hydrology)

Bischoff, S.A., Garcia, N.O., Vargas, W.M., Jones, P.D. and Conway, D., 2000

“Climatic variability and Uruguay riverflows.”

Water International 25, 446-456

(keywords: climate change hydrology Uruguay South America SH impacts)

Bohn, L.E., 2000

“The use of climate information in commercial agriculture in southeast Africa.”

Physical Geography 21(1), 57-67

(keywords: climate change climatology agriculture Africa impacts)

Brabson, B.B. and Palutikof, J.P., 2000

“Tests of the Generalized Pareto Distribution for predicting extreme wind speeds.”

Journal of Applied Meteorology 39, 1627-1640 (R)

(keywords: methodology wind speed extreme forecasting statistics climate change wind power)

Briffa, K.R., 2000

“Annual climate variability in the Holocene: interpreting the message of ancient trees.”

Quaternary Science Reviews 19, 87-105 (R)

(keywords: climate change Holocene dendrochronology tree rings methodology)

Briffa, K.R., Baillie, M.G.L., Bartholin, T., Bonde, N. and others., 2000

“Analysis of dendrochronological variability and associated natural climates in Eurasia - the last 10,000 years (ADVANCE-10K).”

In: Proceedings European Science Conference, Vienna, October 1988. CDROM available from Biodiversity and Global Change Unit, Research DG, European Commission, Brussels.

(keywords: dendrochronology tree rings variability climate change Eurasia Europe historical ADVANCE)

Brooks, N. and Legrand, M., 2000

“Dust variability over northern Africa and rainfall in the Sahel.”

In: Linking Climate Change to Land Surface Change (eds. S.J. McLaren and D.R. Kniveton), Kluwer Academic Publishers, pp.1-25 (R)

(keywords: Africa climate change precipitation rainfall Sahel desertification dust)

Burgess, P.E., Palutikof, J.P. and Goodess, C.M., 2000

“Investigations into long-term future climate changes.”

In: Linking Climate Change to Land Surface Change (S.J. McLaren and D.R. Kniveton (eds.)), pp.231-246 Kluwer Academic Publishers, Netherlands. (R)

(keywords: climate change impacts methodology scenarios forecasting)

Camuffo, D., Demaree, G., Davies, T.D., Jones, P.D., Moberg, A., Martinec, J.M., Cocheo, C., Maugeri, M., Thoen, E. and Bergstrom, H., 2000

“Improved understanding of past climatic variability from early daily European instrumental sources (IMPROVE).”

In: Proceedings of the EC Climate and Environment Conference, Vienna, 19-23 October 1998. CDROM, EC Research DG, Biodiversity and Global Change Unit DI/1, Rue de la Roi, 200-B-1049 Brussels, Article No. 162, 8pp

(keywords: climatic change variability instrumental Europe historical records IMPROVE)

Carter, T.R., Hulme, M., Crossley, J.F., Malyshev, S., New, M.G., Schlesinger, M.E. and Tuomenvirta, H., 2000
“*Climate change in the 21st century: interim characterisations based on the new IPCC emissions scenarios.*”
Finnish Environment Institute Report No. 433, Helsinki, Finland, 148pp
(keywords: climate change IPCC emissions scenarios)

Collins, M., Osborn, T.J., Tett, S.F.B., Briffa, K.R. and Schweingruber, F.H., 2000
“*A comparison of the variability of a climate model with palaeo-temperature estimates from a network of tree-ring densities.*”
Hadley Centre Technical Note 16, 41pp Please note: Technical notes can be downloaded from the Hadley Centre's website, or you can request a paper copy from them. <http://www.metoffice.com/research/hadleycentre/pubs/HCTN/index.html>
(keywords: climate change temperature variability modelling tree rings methodology)

Collins, M., Osborn, T.J., Tett, S.F.B., Briffa, K.R. and Schweingruber, F.H., 2000
“*Testing the 'natural' variability of a climate model: an example using tree-ring data.*”
CLIVAR Exchanges 5, 21-24 Please note: CLIVAR exchanges is the newsletter of the international CLIVAR programme, and you can download copies from their website or request a paper copy. <http://www.clivar.org/>
(keywords: variability natural modelling climate change tree rings methodology)

Cramer, W., Doherty, R., Hulme, M. and Viner, D. (Eds.), 2000
“*Climate scenarios for agricultural, forest and ecosystem impacts.*”
Proc. ECLAT-2 Potsdam Workshop, 13-15 October 1999, Climatic Research Unit, Norwich, U.K., 120pp contact D. Viner (d.viner@uea.ac.uk) for copies
(keywords: climate change scenarios agriculture forestry impacts global warming)

Davies, T.D., 2000
“*Meteorological observation network in the Eighteenth Century, especially that of the 'Societas Meteorologica Palatina' to which Toaldo contributed.*”
In: Giuseppe Toaldo e il Sui Tempo, nel bicentenario della morte (L. Pigatto and P. Casini, Eds.), Atta del Convegno, Padova, 10-13 Nov., 1997. pp.961-978 Bertinello Artigrafiche, Cittadella, Padova (ISBN 88-86868-II-I).
(keywords: chapter meteorology observations historical Italy Toaldo)

Davies, T.D. and 18 others, 2000
“*Annual to decadal variability in climate in Europe (ADVICE).*”
In: Proceedings of the EC Climate and Environment Conference, Vienna, 19-23 October 1998. CDROM, EC Research DG, Biodiversity and Global Change Unit DI/1, Rue de la Loi, 200-B-1049 Brussels, Article No. 075, 10pp
(keywords: variability climate change Europe ADVICE)

Davis, P.M., Atkinson, T.C. and Wigley, T.M.L., 2000
“*Longitudinal dispersion in natural channels: 2. The roles of shear flow dispersion and dead zones in the River Severn, U.K.*”
Hydrology and Earth Systems Sciences 4, 355-371
(keywords: hydrology rivers UK)

Dawson, C.W., Wilby, R.L., Harpham, C., Brown, M.R., Cranston, E. and Darby, E.J., 2000
“*Modelling Ranunculus presence in the rivers Test and Itchen using artificial neural networks.*”
The Fifth International Conference on GeoComputation

Dickson, R.R., Osborn, T.J., Hurrell, J.W., Meincke, J., Blindheim, J., Adlandsvik, T., Vinje, G., Alekseev, G. and Maslowski, W., 2000
“*The Arctic Ocean response to the North Atlantic Oscillation.*”
Journal of Climate 13(15), 2671-2696 (R)
(keywords: Arctic Ocean NAO oceanography Atlantic climate change global warming)

Doherty, R., Kutzbach, J., Foley, J. and Pollard, D., 2000
“*Fully coupled climate/dynamical vegetation model simulations over Northern Africa during the mid-Holocene.*”
Climate Dynamics 16, 561-573 (R)
(keywords: climate change modelling GCMs Africa Holocene vegetation agriculture impacts)

Gillett, N.P., Allen, M.R. and Tett, S.F.B., 2000
“*Modelled and observed variability in atmospheric vertical temperature structure*”
Clim. Dyn., 16 49-61

Gillett, N.P., Hegerl, G.C., Allen, M.R., Stott, P.A., 2000
“*Implications of changes in the Northern Hemisphere circulation for the detection of anthropogenic climate change*”
Geophysical Research Letters, 27 (7) [doi: 10.1029/1999GL010981](https://doi.org/10.1029/1999GL010981) 993-996 American Geophysical Union
(keywords: Northern Hemisphere Circulation Human Climate Change Impacts Global Warming REPRINTS[R])

Goodess, C.M., 2000
“*The construction of daily rainfall scenarios for Mediterranean sites using a circulation-type approach to downscaling.*”

Ph.D. Thesis, University of East Anglia

(keywords: rainfall scenarios methodology daily Mediterranean Europe downscaling circulation climate change)

Goodess, C.M., Palutikof, J.P. and Agnew, M., 2000

“Climate change scenarios for the Mediterranean: A basis for regional impact assessment.”

Economics Energy Environment, Fondazione Eni Enrico Mattei, Nota Di Lavoro 87.2000, 12pp. paper presented at the Int. Workshop on 'Climate Change and Mediterranean Coastal Systems: Regional Scenarios and Vulnerability Assessment' organised by the Fondazione Eni Enrico Mattei in co-operation with Istituto Veneto di Scienze, Lettere ed Arti, Venice, December 9-10 1999. (R)

(keywords: climate change scenarios Mediterranean regional methodology impacts)

Grudd, H., Briffa, K.R., Gunnarson, B.E. and Linderholm, H.W., 2000

“Swedish tree rings provide new evidence in support of a major widespread environmental disruption in 1628 BC.”

Geophysical Research Letters 27, 2957-2960

(keywords: tree rings Sweden historical dendrochronology Europe climate change)

Hulme, M. and Carter, T.R., 2000

“The changing climate of Europe.”

In: Assessment of potential effects and adaptations for climate change in Europe: the Europe ACACIA project (M.L. Parry, Ed.), 320pp The Jackson Environment Institute, University of East Anglia, Norwich, U.K.

(keywords: climate change Europe global warming impacts)

Hulme, M., Wigley, T.M.L., Barrow, E.M., Raper, S.C.B., Centella, A., Smith, S. and Chipanshi, A., 2000

“Using a climate scenario generator in vulnerability and adaptation assessments: MAGICC and SCENGEN Workbook.”

Climatic Research Unit, University of East Anglia, Norwich, 60pp.

(keywords: scenarios climate change MAGICC SCENGEN)

Jones, J. and Davies, T.D., 2000

“The influence of climate on air and precipitation chemistry over Europe and downscaling applications to future acidic deposition.”

Climate Research 14, 7-24

(keywords: climate change impacts precipitation air chemistry Europe downscaling deposition)

Jones, P.D. and Briffa, K.R., 2000

“Temperature trends from instrumental and proxy indicators for the last millennium.”

In: Proc. 1st Solar & Space Weather Euroconference, 'The Solar Cycle and Terrestrial Climate', Santa Cruz de Tenerife, Spain, 25-29 September 2000 (ESA SP-463, December 2000), pp.179-187 (R)

(keywords: temperature instrumental proxy historical climate change global warming)

Jones, P.D. and Reid, D.A., 2000

“Final report to the UK Water Industry Research Ltd. on effects of climate change on the design and operation of Combined Sewer Overflow (Ref. 99/002).”

Climatic Research Unit, University of East Anglia, Norwich, U.K., 77pp

(keywords: water hydrology sewers climate change)

Jones, P.D., Davies, T.D. and Goodess, C.M., 2000

“Atmospheric circulation classification and regional downscaling (ACCORD).”

In: Proceedings of the EC Climate and Environment Conference, Vienna, 19-23 October 1998. CD-Rom, EC Research DG, Biodiversity and Global Change Unit DI/1, Rue de la Loi, 200-B-1049 Brussels, Article no. 161, 9pp

(keywords: atmospheric circulation regional downscaling ACCORD)

Jones, P.D., Goodess, C.M. and Davies, T.D., 2000

“Final report to the EU on the ACCORD (Atmospheric circulation classification and regional downscaling ENV4-CT97-0530) project.”

420pp

(keywords: atmospheric circulation regional downscaling climate change ACCORD)

Jordan, A., Lorenzoni, I., Hulme, M., Turner, R.K. and O'Riordan, T., 2000

“A co-evolutionary approach to climate change impact assessment: a scenario-based study in the UK CSERGE Working Paper 2000-01.”

CSERGE, University of East Anglia, Norwich.

(keywords: climate change impacts risk assessment scenarios UK)

Kelly, M., Granich, S. and Nguyen Huu Ninh (Eds.), 2000

“Report of the Workshop 'The Impact of El Nino and La Nina on Southeast Asia', 12-23 February 2000, Hanoi, Vietnam.”

Center for Environmental Research Education and Development, Hanoi, Vietnam.

(keywords: ENSO southeast Asia Vietnam global warming climate change impacts)

Kelly, P.M., 2000

"Towards a sustainable response to climate change."

pp.118-141 in: Science and Environmental Decision Making (Eds. M. Huxgham and D. Sumner). Pearson Education, Harlow, 268pp. (R)

(keywords: climate change sustainability development impacts)

Kelly, P.M. and Adger, W.N., 2000

"Theory and practice in assessing vulnerability to climate change and facilitating adaptation."

Climatic Change 47, 325-352 (R)

(keywords: methodology impacts vulnerability climate change adaptation)

Kington, J.A., 2000

"The loss of HMS Invincible and reconstructed weather patterns, 15-17 March 1801."

Weather 55, 199-205

(keywords: British naval history past weather patterns historical reconstruction)

Kington, J.A., 2000

"Review: 'Observations of weather': The weather diary of Sir John Wittewronge of Rothamsted, 1684-1689."

Weather 55, 247

(keywords: historical weather data England Europe records)

Kington, J.A. and Rackliff, P.G., 2000

"Even the Birds Were Walking: The Story of Wartime Meteorological Reconnaissance."

Tempus Publishing Ltd., Stroud, U.K. Tempus Publishing Inc., Charleston, U.S.A.

(keywords: meteorology synoptic history historical meteorological reconnaissance book)

Locke, C., Adger, W.N. and Kelly, P.M., 2000

"Changing places: migration's social and environmental consequences."

Environment 42(7), 24-35 (R)

(keywords: climate change impacts social economic development)

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(1), 57-68

(keywords: climate change impacts methodology social economic scenarios)

Lorenzoni, I., Jordan, A., O'Riordan, T., Turner, R. and Hulme, M., 2000

"A co-evolutionary approach to climate change impact assessment: part II. a scenario-based case study in East Anglia (UK)."

Global Environmental Change 10(2), 145-155

(keywords: climate change impacts scenarios regional UK Europe)

Luterbacher, J., Rickli, R. and 32 others, including Schupbach, E., Davies, T.D., Jones, P.D., Ogilvie, A.E.J., Barring, L., 2000

"Monthly mean pressure reconstruction for the Late Maunder Minimum Period (AD 1675-1715)."

International Journal of Climatology 20, 1049-1066

(keywords: pressure datasets reconstruction Maunder Minimum historical records proxy)

Miranda, R.A.C., Davies, T.D. and Cornell, S.C., 2000

"A laboratory assessment of wetness sensors for leaf, fruit and trunk surfaces."

Agric. and Forest Meteorol. 102, 264-274

Moberg, A., Jones, P.D., Barriendos, M., Bergstrom, H. and 8 others including Davies, T.D., 2000

"Daily temperature variability trends in 200-year long European instrumental records."

Journal of Geophysical Research 105 (D18), 22849-22868

(keywords: temperature Europe historical records instrumental regional)

Moberg, A., Jones, P.D., Barriendos, M., Bergstrom, H., Camuffo, D., Cocheo, C., Davies, T.D. and others., 2000

"Day-to-day temperature variability trends in 160-to-275 year long European instrumental records."

Journal of Geophysical Research 105, 22849-22868 (R)

(keywords: temperature variability trends Europe instrumental historical records)

New, M. and Hulme, M., 2000

"Representing uncertainty in climate change scenarios: a Monte Carlo approach."

Integrated Assessment 1, 203-213

(keywords: climate change scenarios statistics Monte Carlo)

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."

Journal of Climate 13, 2217-2238 (R)

(keywords: climate change methodology surface modelling)

Osborn, C.P., Chuine, I., Viner, D. and Woodward, F.I., 2000

"Olive phenology as a sensitive indicator of future climatic warming in the Mediterranean."

Plant, Cell and Environment 23, 701-710

(keywords: agriculture impacts climate change global warming Mediterranean)

Osborn, T.J. and Briffa, K.R., 2000

"Revisiting timescale-dependent reconstruction of climate from tree-ring chronologies."

Dendrochronologia 18, 9-25 (R)

(keywords: historical reconstructions climate change tree rings dendrochronology methodology)

Osborn, T.J. and Hulme, M., 2000

"Observed trends in the intensity of daily precipitation over the UK."

In: Proc. 12th Conf. on Applied Climatology, Asheville, May 2000, pp.111-114 American Meteorological Society, Boston, U.S.A.

(keywords: trends precipitation rainfall snow UK Europe regional climate change)

Osborn, T.J. and Jones, P.D., 2000

"Air flow influences on local climate: observed United Kingdom climate variations."

Atmospheric Science Letters 1, ([doi:10.1006/asle.2000.0017](https://doi.org/10.1006/asle.2000.0017)), 62-74 (R)

(keywords: air flow climate change UK regional variations)

Osborn, T.J., Hulme, M., Jones, P.D. and Basnett, T., 2000

"Observed trends in the daily intensity of United Kingdom precipitation."

International Journal of Climatology 20, 347-364 (R)

(keywords: precipitation rainfall UK Europe observations statistics)

Osborne, C.P., Chuine, I., Viner, D. and Woodward, F.I., 2000

"Olive phenology as a sensitive indicator of future climatic warming in the Mediterranean."

Plant, Cell and Environment 23, 701-710

(keywords: agriculture climate change indicators Mediterranean Europe)

Palutikof, J.P., 2000

"Effects of weather now."

In: Assessment of Potential Effects and Adaptations for Climate Change in Europe: The Europe ACACIA Project (M.L. Parry, Ed.), pp.1-34 Jackson Environment Institute, University of East Anglia, Norwich, U.K.

(keywords: impacts climate change weather Europe socio economic)

Palutikof, J.P. and Holt, T., 2000

"Synoptic-scale wind data suitable for the preliminary assessment of the offshore wind resource."

Proceedings of European Seminar Offshore Wind Energy in Mediterranean and Other European Seas (OWEMES 2000), Siracusa, pp.93-107

(keywords: wind energy datasets resource offshore synoptic)

Palutikof, J.P., Thornes, J.B. and THE MEDALUS TEAM., 2000

"Climate change research under MEDALUS III (Mediterranean Desertification And Land Use)."

In: Proceedings European Climate Science Conference, Vienna, October 1998 [CDROM available from Biodiversity and Global Change Unit, Research DG, European Commission, Brussels].

(keywords: climate change desertification land use MEDALUS)

Parry, M.L. (Ed.), 2000

"Assessment of the Potential Effects and Adaptations for Climate Change in Europe: The Europe ACACIA Project."

Jackson Environment Institute, University of East Anglia, Norwich, UK, 320pp (R)

(keywords: report impacts climate change adaptations ACACIA Europe regional)

Pomeroy, J., Brown, G., Davies, T.D., Jones, G., Tranter, M., Peters, J., 2000

"Microscale spatial variation in the deposition of sea-salt components in snow in Celtic Mountains."

In: Water in the Celtic World; managing resources for the 21st century (eds. Jones, J.A.A., Gilman, K., Jigorel, A. and Griffin, J.), British Hydrological Soc. Occasional Paper 11, 205-210 Centre for Ecology and Hydrology, Wallingford, OX10 8EX.

(keywords: sea salt deposition atmospheric pollution)

Raper, S.C.B., 2000

"Global changes in the volume and mass of the ocean."

editor of chapter 1 in 'Sea level change and coastal processes: implications for Europe', edited by Smith, D., Raper, S.C.B., Zerbibi, S. and Sanchez-Arcilla, A. (2000). 9-80 European Commission EUR 19337.

(keywords: oceanography sea level rise global warming climate change impacts)

Raper, S.C.B., Brown, O. and Braithwaite, R.J., 2000
“*A geometric glacier model for sea-level change calculations.*”
Journal of Glaciology 46(154), 357-368 (R)
(keywords: modelling glaciology mathematical sea level methodology climate change)

Santer, B.D., Wigley, T.M.L., Gaffen, D.J., Bengtsson, L., Doutriaux, C., Boyle, J.S., Esch, M., Hnilo, J.J., Jones, P.D. and others., 2000
“*Interpreting differential temperature trends at the surface and in the lower atmosphere.*”
Science 287, 1227-1232
(keywords: temperature surface trends climate change)

Slonosky, V.C., Jones, P.D. and Davies, T.D., 2000
“*Variability of the surface atmospheric circulation over Europe, 1774-1995.*”
International Journal of Climatology 20, 1875-1897 (R)
(keywords: atmospheric circulation surface Europe historical variability climate change)

Smith, D., Raper, S.B., Zerbibi, S. and Sanchez, A. (Eds.), 2000
“*Sea level change and coastal processes: implications for Europe.*”
European Commission EUR 19337, 247pp.
(keywords: sea level climate change coastal impacts Europe)

Smith, D., Raper, S.C.B. and Sanchez-Arcilla, A. (Eds.), 2000
“*Sea level change and coastal processes: implications for Europe.*”
European Commission EUR 19337, 247pp
(keywords: sea level Europe impacts oceanography climate change global warming)

Smith, S.J., Wigley, T.M.L., Nakicenovic, N. and Raper, S.C.B., 2000
“*Climate implications of greenhouse gas emissions scenarios.*”
Technological Forecasting and Social Change 65, 195-204
(keywords: climate change global warming scenarios impacts)

Subak, S., Palutikof, J.P., Agnew, M.D., Watson, S.J. and others, 2000
“*The impact of the anomalous weather of 1995 on the U.K. economy.*”
Climate Change 44(1/2), 1-26 (R)
(keywords: impacts weather climate change UK economy Europe)

Subak, S., Palutikof, J.P., Agnew, M.D., Watson, S.J., Bentham, C.G., Cannell, M.G.R., Hulme, M. and others, 2000
“*The impact of the anomalous weather of 1995 on the UK economy.*”
Climatic Change 44, 1-26
(keywords: impacts climate change UK economic)

Trigo, I.F. and Davies, T.D., 2000
“*Decline in Mediterranean rainfall caused by weakening of Mediterranean cyclones.*”
Geophysical Research Letters 27(28), 2913-2916 (R)
(keywords: rainfall precipitation drought Mediterranean Europe cyclone weather)

Trigo, I.F., Davies, T.D., Bigg, G.R., 2000
“*Decline in Mediterranean rainfall caused by weakening of Mediterranean cyclones in response to northwards migration of Atlantic storm-tracks.*”
Geophysical Research Letters 27 (18), 2913-2916
(keywords: Mediterranean rainfall precipitation storm tracks climate change)

Trigo, R.M. and DaCamara, C.C., 2000
“*Circulation weather types and their influence on the precipitation regime in Portugal.*”
International Journal of Climatology 20, 1559-1581 Royal Meteorological Society
(keywords: circulation weather types precipitation Portugal Europe rainfall atmospheric)

Viner, D., 2000
“*Communicating with the media: A scientist's perspective.*”
Paper presented at Climate Change Communication, 22-24th June 2000, Waterloo, Canada.
(keywords: communication media)

Viner, D. and Agnew, M., 2000
“*Climate change and tourism.*”
In: Proc. Int. Conf. on Tourism and Hospitality in the 21st Century (Eds. A. Lockwood et al.). University of Surrey, Guildford.
(keywords: climate change tourism impacts UK)

Viner, D., Jordan, A., Lorenzoni, I. and Favis-Mortlock, D., 2000
“*The Potential Impact of Climate Change in the Norfolk Arable Land Management Initiative (NALMI) Area over the next 30-50*”

Years.”

Report prepared for the Countryside Agency, 70pp Climatic Research Unit, Norwich, U.K.

(keywords: impacts climate change Norfolk England UK agriculture scenarios)

Viner, D., Osborn, T., Jones, P., Briffa, K., Hulme, M. and Raper, S., 2000

“*Global warming: the world heats up.*”

Weather 55, 144-145

(keywords: global warming climate change)

Wallace, C.J. and Osborn, T.J., 2000

“*Recent modulation of the seasonal cycle.*”

In: Proc. 12th Conf. on Applied Climatology, Asheville, May 2000, pp.117-118 American Meteorological Society, Boston, U.S.A.

(keywords: climate change seasonal cycle)

Watson, G.M., Halliday, J.A., Palutikof, J.P., Holt, T., Barthelmie, R.J., Coelingh, J.P., Folkerts, L., van Zuylen, E.J. and Cleijne, J.W., 2000

“*POWER - a methodology for predicting offshore wind energy resources.*”

In: Proceedings of the European Seminar on Offshore Wind Energy in Mediterranean and Other European Seas (OWEMES 2000), Siracusa, pp.109-120

(keywords: POWER methodology offshore wind energy resource climate change)

Wood, P.J., Agnew, M.D. and Petts, G.E., 2000

“*Flow variations and macroinvertebrate community responses in a small groundwater-dominated stream in South-East England.*”

Hydrological Processes 14, 3133-3147

(keywords: macroinvertebrate groundwater hydrology UK regional)

1999

Adger, W.N. and Kelly, P.M., 1999

“*Social vulnerability to climate change and the architecture of entitlements.*”

(IPCC Special Issue on 'Adaptation to Climate Change and Variability'). Mitigation and Adaptation Strategies for Global Change 4(3-4), pp.253-266 (R)

(keywords: impacts climate change economic social policy adaptation global warming)

Agnew, M.D. and Palutikof, J.P., 1999

“*GIS-based downscaling of climate model data for the Mediterranean Basin using terrain information.*”

In: Proc. EUR 18472 EN: Cost Actions 77-79-711, 28 September-3 October, 1997, Volterra, Italy.

(keywords: GIS downscaling climate change modelling datasets Mediterranean terrain methodology)

Agnew, M.D. and Palutikof, J.P., 1999

“*The impacts of climate on retailing in the UK with particular reference to the anomalously hot summer and mild winter of 1995.*”

International Journal of Climatology 19, 1493-1507 (R)

(keywords: impacts climate change retailing UK heat regional)

Barnett, T.P., Hasselmann, K., Chelliah, M., Delworth, T., Hegerl, G., Jones, P.D., Rasmussen, E., Roeckner, E., Ropelewsk, C. and others., 1999

“*Detection and attribution of recent climate change: A status report.*”

Bulletin of the American Meteorological Society 80, 2631-1659

(keywords: detection climate change)

Briffa, K.R., 1999

“*Analysis of dendrochronological variability and associated natural climates - the last 10000 years (ADVANCE-10K).*”

PAGES Newsletter 7 (No. 1), March 1999, 6-8 (R)

(keywords: dendro methodology climate change historical records tree rings)

Briffa, K.R. and Osborn, T.J., 1999

“*Seeing the wood from the trees.*”

Science 284, 926-927 (R)

(keywords: tree rings climate change global warming methodology)

Briffa, K.R., Jones, P.D., Vogel, R.B., Schweingruber, F.H., Baillie, M.G.L., Shiyatov, S.G. and Vaganov, E.A., 1999

“*European tree rings and climate in the 16th century.*”

Climatic Change 43, 151-168 (R)

(keywords: tree rings dendroclimatology dendrochronology historical climate change observations Europe)

Carter, T., Hulme, M. and Viner, D. (Eds.), 1999

“Representing uncertainty in climate change scenarios and impact studies.”

Proc. ECLAT-2 Helsinki Workshop, 14-16 April, 1999. 128pp Climatic Research Unit, Norwich, U.K.

(keywords: climate change scenarios methodology impacts)

Carter, T.R., Hulme, M., Tuomenvirta, H., New, M.G., Osborn, T.J., Crossley, J., Doherty, R.M. and Jones, P.D., 1999

“Interim characterizations of regional climate and related changes up to 2100 associated with the SRES emissions scenarios.”

IPCC Working Group II, Technical Support Unit, Washington DC, USA. 33pp + maps

(keywords: regional climate change forecasting scenarios SRES emissions global warming IPCC)

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. Climatology 19, 119-142 (R)

(keywords: reconstruction land ocean precipitation tropics historical methodology)

Dorland, C., Tol, R.S.J. and Palutikof, J.P., 1999

“Vulnerability of the Netherlands and NW Europe to storm damage under climate change.”

Climatic Change 43, 513-535

(keywords: Netherlands Europe storms impacts climate change vulnerability)

Galvao, C.O., Clarke, R.T., Davies, T.D. and Jones, P.D., 1999

“Evaluation of seasonal forecasting methods for water resource management in the Brazilian northeast.”

In, Hydrological Extremes: Understanding, Predicting, Mitigating (Eds. L. Gottschalk, J-C. Olivry, D. Reed and D. Rosbjerg)

289-295 IASH Publ. No. 255

Goodess, C.M., Watkins, S.J., Burgess, P.E. and Palutikof, J.P., 1999

“Assessing the long-term future climate of the British Isles in Relation to the Deep Underground Disposal of Radioactive Waste.”

Nirex Report N/010, United Kingdom Nirex Ltd., 193pp ISBN 1-84029-252-0

(keywords: climate change UK Europe radioactive waste disposal risk)

Hulme, M., 1999

“Future climates of the UK: the UKCIP98 climate change scenarios.”

Town and Country Planning 68, January, 12-13

(keywords: prediction future climate change UK Europe scenarios methodology)

Hulme, M., 1999

“Global warming.”

Prog. in Phys. Geogr. 23, 283-291 (R)

(keywords: global warming climate change methodology impacts greenhouse effect CO2)

Hulme, M., 1999

“Climate change.”

In: The Changing Geography of the UK (Eds., Gardiner, V. and Matthews, H.), pp.406-436 Routledge, London.

(keywords: climate change UK global warming impacts)

Hulme, M. and Carter, T.R., 1999

“Representing uncertainty in climate change scenarios and impact studies.”

pp.11-37 in: Representing uncertainty in climate change scenarios and impact studies (Proc. ECLAT-2 Helsinki Workshop, 14-16 April, 1999 (Eds. T. Carter, M. Hulme and D. Viner). 128pp Climatic Research Unit, Norwich, UK.

(keywords: methodology climate change scenarios impacts)

Hulme, M. and Carter, T.R., 1999

“The changing climate of Europe.”

Chapter 3 in: An assessment of the potential effects of climate change in Europe (M.L. Parry, Ed.). The draft report of the ACACIA Concerted Action, September 1999, UEA, Norwich, UK. 350pp

(keywords: climate change Europe)

Hulme, M., Barrow, E.M., Arnell, N., Harrison, P.A., Downing, T.E. and Johns, T.C., 1999

“Relative impacts of human-induced climate change and natural climate variability.”

Nature 397, 588-591 (R)

(keywords: impacts climate change anthropogenic variability natural)

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

(keywords: climate change agriculture impacts Europe horticulture crops)

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 (R)

(keywords: climate change scenarios global impacts)

Jones, P.D., 1999

“Classics in physical geography revisited.”

Progress in Physical Geography 23(3), 425-428 (R)

(keywords: geography methodology temperature UK England datasets)

Jones, P.D., Davies, T.D., Lister, D.H., Slonosky, V., Jonsson, T., Barring, L., Jonsson, P., Maheras, P., Kolyva-Machera, F. and others, 1999

“Monthly mean pressure reconstructions for Europe for the 1780-1995 period.”

International Journal of Climatology 19, 347-364 (R)

(keywords: pressure reconstructions historical Europe datasets)

Jones, P.D., Horton, E.B., Folland, C.K., Hulme, M. and Parker, D.E., 1999

“Climatic extremes: approaches to creating indices from daily and monthly data.”

Climatic Change 42, 131-149

(keywords: climate change extreme events datasets methodology impacts)

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 (R)

(keywords: methodology climate change detection statistics)

Jones, P.D., New, M., Parker, D.E., Martin, S. and Rigor, I.G., 1999

“Surface air temperature and its changes over the past 150 years.”

Reviews of Geophysics 37(2), 173-199 (R)

(keywords: surface air temperature variation historical climate change global warming impacts)

Jones, P.D., Salinger, M.J. and Mullan, A.B., 1999

“Extratropical circulation indices in the Southern Hemisphere based on station data.”

International Journal of Climatology 19, 1301-1317

(keywords: SH datasets methodology statistics)

Kelly, P.M. and Adger, W.N., 1999

“Assessing vulnerability to climate change and facilitating adaptation.”

CSERGE Working Paper GEC 99-07. Centre for Social & Economic Research on the Global Environment, School of Environmental Sciences, University of East Anglia, Norwich, U.K.

(keywords: climate change impacts adaptation)

Kelly, P.M., Jones, P.D. and Pengqun, J., 1999

“Spatial patterns of variability in the global surface air temperature data set.”

Journal of Geophysical Research 104(D20), 24237-24256 (R)

(keywords: variability global surface air temperature datasets methodology)

Kington, J.A., 1999

“Meteorologist's profile - William Clement Ley.”

Weather 54, 166-172

(keywords: cloud study historical methodology)

Kington, J.A., 1999

“Historical weather data.”

Weather 54, p.344

(keywords: historical weather data)

Kington, J.A., 1999

“W. Clement Ley: nineteenth-century cloud study and the European jet stream.”

Bulletin of the American Meteorological Society 80, 901-903

(keywords: cloud study historical methodology jet stream Europe wind windspeed)

Mavromatis, T. and Jones, P.D., 1999

“Evaluation of HadCM2 and direct use of daily GCM data in Impact Assessment Studies.”

Climatic Change, 41 583-614

Mitchell, T. and Hulme, M., 1999

“Predicting regional climate change: living with uncertainty.”

Prog. in Phys. Geogr., 23, 57-78

(keywords: prediction regional climate change impacts management scenarios methodology)

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."

Journal of Climate 12, 829-856 (R)

(keywords: climate change methodology scenarios climatology datasets)

Osborn, T.J., 1999

"Revisiting the North Atlantic Oscillation."

<http://www.cru.uea.ac.uk/~timo/paperpages/osborn1999/osborn1999.pdf>

(keywords: NAO ae^)

Osborn, T.J., Briffa, K.R., Tett, S.F.B., Jones, P.D. and Trigo, R.M., 1999

"Evaluation of the North Atlantic Oscillation as simulated by a coupled climate model."

Climate Dynamics 15, 685-702 (R)

(keywords: NAO climate change modelling GCMS oceans methodology)

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 United Kingdom."

Climate Research 13, 171-191 (R)

(keywords: climate change regional air flow UK Europe)

Palutikof, J.P. and Agnew, M.D., 1999

"Report of University of East Anglia."

In: Weather Impacts on Natural, Social and Economic Systems (WISE): Final Report Contract ENV4-CT97-0448. University of East Anglia, Norwich, UK.

(keywords: weather climate change impacts social economic)

Palutikof, J.P., Brabson, B.B., Lister, D.H. and Adcock, S.T., 1999

"A review of methods to calculate extreme wind speeds."

Meteorol. Appl. 6, 119-132 (R)

(keywords: wind speed methodology review statistics)

Palutikof, J.P., Goodess, C.M., Watkins, S.J. and Burgess, P.E., 1999

"Developments in long-term climate change research."

Progress in Environmental Science 1(1), 89-96 (R)

(keywords: climate change methodology)

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

(keywords: global climate change impacts)

Schuepbach, E., Davies, T.D. and Massacand, A.C., 1999

"An unusual springtime ozone episode at high elevation in the Swiss Alps; contributions both from cross-tropopause exchange and from the boundary layer."

Atmospheric Environment 33, 1735-1744

(keywords: ozone pollution tropopause synoptic Switzerland Europe transport)

Schuepbach, E., Davies, T.D., Massacand, A.C. and Wernli, H., 1999c

"Mesoscale modelling of vertical atmospheric transport in the Alps associated with the advection of a tropopause fold - a winter ozone episode."

Atmospheric Environment 33(22), 3613-3626

(keywords: modelling atmospheric pollution Alps tropopause ozone mesoscale Europe)

Slonosky, V.C., Jones, P.D. and Davies, T.D., 1999

"Homogenization techniques for European monthly mean surface pressure series."

Journal of Climate 12, 2658-2672 (R)

(keywords: methodology statistics Europe surface pressure datasets)

Trigo, I.G., Davies, T.D. and Bigg, G.R., 1999

"Objective climatology of cyclones in the Mediterranean Region."

Journal of Climate 12, 1685-1696

(keywords: Mediterranean storms cyclone climatology climate change)

Trigo, R.M. and Palutikof, J.P., 1999

"Simulation of daily temperatures for climate change scenarios over Portugal: a neural network approach."

Climate Research 13, 45-59

(keywords: temperature Europe Portugal climate change scenarios modelling methodology neural networks)

Trigo, R.M. and Palutikof, J.P., 1999

“Simulation of daily maximum and minimum temperature over Portugal: a neural network approach.”

Climate Research 13, 45-59

(keywords: temperature Portugal Europe neural network modelling simulations)

Viner, D. and Agnew, M., 1999

“Climate Change and its Impacts on Tourism”

Climatic Research Unit, UEA. Report commissioned for WWF UK, WWF.

(keywords: climate change tourism impacts global warming UK Europe)

Wood, P.J., Agnew, M.D. and Petts, G.E., 1999

“Hydro-ecological variability within a groundwater-dominated stream.”

In: Proc. of the Hydro-ecology Workshop, International Association of Hydrological Sciences, University of Birmingham, 26-27th July.

(keywords: hydrology ecology variability)

1998

Adger, W.N., Kelly, P.M. and Tri, N.H., 1998

“Economic value of mangrove restoration as local resource and storm protection in Vietnam.”

In: Forestry in a Changing Political Environment: Challenges for the 21st Century (P. Mushove, M. Mubaiwa, M. Mukwekwerere and C. Pfukwa, Eds.), pp.159-165 Commonwealth Forestry Association and Zimbabwe Forestry Commissions: Harare, Zimbabwe.

(keywords: economic Vietnam environmental impacts SH Asia development political)

Agnew, M.D., 1998

“Impacts of the Hot Summer and Unusually Warm Year of 1995 on Retailing in the UK.”

In: Proc. 10th Conference on Applied Climatology, American Meteorological Conference, Reno, Nevada, October 1997, pp.236-239

(keywords: climate change impacts retailing economic UK Europe)

Agnew, M.D., 1998

“Domestic holiday tourism.”

In: Indicators of Climate Change in the UK. A pilot study for the Global Atmosphere Division, DETR, pp.49-51. ITE, Penicuik, Scotland

(keywords: climate change impacts UK Europe tourism indicators methodology)

Agnew, M.D. and Palutikof, J.P., 1998

“Impacts of the exceptionally hot weather of 1995 in the UK.”

In: Proc. 2nd European Conference on Applied Climatology, 19-23 October 1998, Vienna, Austria, p.61

(keywords: impacts climate change UK heat)

Agnew, M.D. and Palutikof, J.P. (Eds.), 1998

“WISE Annual Report 1998.”

University of East Anglia, Norwich, UK, 133pp

(keywords: WISE)

Agnew, M.D. and Watkins, S.J., 1998

“Statistical downscaling of model data.”

In: MEDALUS Annual Report 1998.

(keywords: statistics methodology modelling datasets downscaling)

Briffa, K.R., Jones, P.D., Schweingruber, F.H. and Osborn, T.J., 1998

“Influence of volcanic eruptions on Northern Hemisphere summer temperature over the past 600 years.”

Nature 393, 450-455 (R)

(keywords: volcanoes NH temperature historical climate change)

Briffa, K.R., Schweingruber, F.H., Jones, P.D., Osborn, T.J., Harris, I.C., Shiyatov, S.G., Vaganov, E.A. and Grudd, H., 1998

“Trees tell of past climates: but are they speaking less clearly today?”

Phil. Trans. R. Soc. Lond. B 353, 65-73 (R)

(keywords: dendro climate change observations proxy)

Briffa, K.R., Schweingruber, F.H., Jones, P.D., Osborn, T.J., Shiyatov, S.G. and Vaganov, E.A., 1998

"Reduced sensitivity of recent tree growth to temperature at high northern latitudes."

Nature 391, 678-682 (R)

(keywords: tree rings dendro NH statistics)

Choi, B.-C., Davies, T.D., Osborn, T.J. and Lee, S.H., 1998

"On the relationship between Eurasian snow cover and summer rainfall in South Korea, part I: statistical analysis."

Journal of the Korean Meteorological Society 34, 478-485

(keywords: Eurasia snow precipitation rainfall Korea Asia statistics modelling methodology)

Conway, D., 1998

"Recent climate variability and future climate change scenarios for Great Britain."

Progress in Physical Geography 22(3), 350-374 (R)

(keywords: climate change forecasting future scenarios UK Europe impacts global warming)

Conway, D., 1998

"Water Resources Development on the Upper Blue Nile: some environmental and hydropolitical considerations."

Paper presented at: 'Ethiopia and Eritrea since 1991: Development Experience and Prospects', June 17-19 1998, University of East Anglia. (R)

(keywords: hydrology political economic Egypt rivers impacts climate change)

Conway, D. and Jones, P.D., 1998

"The use of weather types and air flow indices for GCM downscaling."

Journal of Hydrology 213(1-4), 348-361 (R)

(keywords: methodology downscaling air flow indices GCMs)

Davies, T.D., Viner, D. and Jones, P.D., 1998

"Changes in atmospheric circulation and climate over the North Atlantic and Europe."

In: Management of Lakes and Reservoirs during Global Climate Change (Eds. D.G. George, J.G. Jones, P. Puncochar, C.S. Reynolds and D.W. Sutcliffe) 1-13 Kluwer Academic Publishers, Dordrecht.

Evans, C. and Davies, T.D., 1998

"Causes of concentration/discharge hysteresis, and its potential as a tool for analysis of episode hydrochemistry."

Water Resources Research 34(1), 129-137

(keywords: chemistry hydrochemistry methodology pollution)

Goodess, C.M. and Palutikof, J.P., 1998

"Development of daily rainfall scenarios for southeast Spain using a circulation-type approach to downscaling."

Int. J. Climatol. 18, 1051-1083 (R)

(keywords: rainfall precipitation scenarios Spain Europe downscaling methodology)

Hulme, M., 1998

"Global warming."

Prog. in Phys. Geogr. 22(3), 398-406 (R)

(keywords: global warming greenhouse climate change)

Hulme, M., 1998

"Is global climate changing?"

Suffolk Wildlife Trust, Spring/Summer issue, 1998, 14-15

(keywords: impacts global warming climate change detection)

Hulme, M., 1998

"The sensitivity of Sahel rainfall to global warming: implications for scenario analysis of future climate change impact."

In: Water resources variability in Africa during the 20th century (E. Servat, D. Hughes, J.M. Fritsch & M. Hulme, Eds.), 462pp IAHS Publication, No. 252, Wallingford, UK.

(keywords: Sahel desertification drought precipitation rainfall global warming climate change scenarios impacts methodology)

Hulme, M. and Brown, O., 1998

"Portraying climate scenario uncertainties in relation to tolerable regional climate change."

Climate Research 10, 1-14 (R)

(keywords: climate change scenarios regional methodology)

Hulme, M. and Jenkins, G.J., 1998

"Climate change scenarios for the UK."

In: UKCIP Technical Report No. 1, 80pp Climatic Research Unit, Norwich. (Requests for UKCIP reports to: UK Climate Impacts Prog., Union House, 12-16 St. Michael's Street, Oxford OX1 2DU, Tel. 01865 432076/Fax. 01865 432077, email. enquiries@ukcip.org.uk)

(keywords: climate change impacts scenarios UK economic social)

Hulme, M. and Parry, M., 1998

"Adapt or mitigate? Responding to climate change."

Town & Country Planning 67, 50-51 (R)

(keywords: climate change impacts policy social economic)

Hulme, M. and Viner, D., 1998

"A climate change scenario for the tropics."

Climatic Change 39, 145-176 (R)

(keywords: climate change scenarios)

Hulme, M., Osborn, T.J. and Johns, T.C., 1998

"Precipitation sensitivity to global warming: comparisons of observations with HadCM2 simulations."

Geophys. Res. Letts. 25(17), 3379-3382 (R)

(keywords: precipitation drought scenarios GCMs)

Jones, P.D., 1998

"It was the Best of Times, It was the Worst of Times."

Science 280, 544-545 (R)

Jones, P.D. and Allan, R.J., 1998

"Climatic Change and Long-Term Climatic Variability."

In, Meteorology of the Southern Hemisphere (Eds. D.J. Karoly and D. Vincent) 337-363 American Meteorological Society, Boston

Jones, P.D. and Hegerl, G.C., 1998

"Comparisons of two methods of removing anthropogenically related variability from the near-surface observational temperature field."

Journal of Geophysical Research 103, 13,777-13,786 (R)

(keywords: methodology anthropogenic climate change global warming observations temperature)

Jones, P.D. and Hegerl, G.C., 1998

"Comparisons of model and observed patterns of natural variability."

Journal of Geophysical Research, 103 13777-13786

Jones, P.D. and Lister, D.H., 1998

"Riverflow reconstructions for 15 catchments over England and Wales and an assessment of hydrologic drought since 1865."

International Journal of Climatology 18, 999-1013 (R)

(keywords: hydrology reconstruction riverflow England Wales Europe drought historical)

Jones, P.D., Briffa, K.R., Barnett, T.P. and Tett, S.F.B., 1998

"High-resolution palaeoclimatic records for the last millennium: interpretation, integration and comparison with General Circulation Model control-run temperatures."

The Holocene 8(4), 455-471 (R)

(keywords: proxy historical records methodology GCMs temperature)

Jones, P.D., Goodess, C.M. and Davies, T.D., 1998

"Atmospheric Circulation Classification and Regional Downscaling (ACCORD)."

Proceedings of the European Science Climate Conference, Vienna, October 1998.

(keywords: atmospheric circulation accord regional downscaling methodology)

Kelly, M., 1998

"Into the greenhouse century."

People and the Planet (Last Word) 7(1), p29 (R)

(keywords: forecasting scenarios greenhouse warming global)

Kelly, P.M., Jones, P.D., Robock, A. and Briffa, K.R., 1998

"The contribution of Hubert H. Lamb to the study of volcanic effects on climate."

Weather (Hubert Lamb Commemorative Issue) 53(7), 209-222 (R)

(keywords: Hubert Lamb volcanoes climate change global methodology)

Kentarchos, A., Davies, T.D., Zerefos, C.S., 1998

"A low latitude stratospheric intrusion associated with a cut-off low."

Geophys. Res. Lett. 25(1), 67-70

(keywords: stratosphere pollution air meteorology)

Kilsby, C.G., Cowpertwait, P.S.P., O'Connell, P.E. and Jones, P.D., 1998

"Predicting rainfall statistics in England and Wales using atmospheric circulation variables."

International Journal of Climatology, 18 523-539

- Konnen, G.P., Jones, P.D., Kaltofen, M.H. and Allan, R.J., 1998
"Pre-1866 extensions of the Southern Oscillation Index using early Indonesian and Tahitian meteorological readings."
 Journal of Climate 11, 2325-2339
 (keywords: SOI Indonesia Tahiti reconstructions historical records instrumental Oceania SH)
- Mavromatis, T. and Jones, P.D., 1998
"Comparison of climate change scenario construction methodologies for impact assessment studies."
 Agricultural and Forest Meteorology, 92 51-67
- Mavromatis, T. and Jones, P.D., 1998
"Evaluation of the CERES-WHEAT crop model in central France."
 Proc. European School of CLimatology and Natural Hazards (Eds. D. Peter, G. Maracchi and A. Ghazi), Brussels 419-434
- Nguyen Hoan Tri, Adger, W.N. and Kelly, P.M., 1998
"Natural resource management in mitigating climate impacts: the example of mangrove restoration in Vietnam."
 Global Environmental Change 8(1), 49-61 (R)
 (keywords: mangroves Vietnam environmental management global warming impacts climate change)
- Osborn, T.J., 1998
"The vertical component of epineutral diffusion and the dianeutral component of horizontal diffusion."
 Journal of Physical Oceanography 28, 485-494 (R)
 (keywords: oceanography modelling climate change)
- 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
 (keywords: modelling GCMs precipitation Europe evaluation methodology)
- Osborn, T.J. and Hulme, M., 1998
"Evaluation of the European daily precipitation characteristics from the atmospheric model intercomparison project."
 International Journal of Climatology 18, 505-522 (R)
 (keywords: GCMs modelling atmospheric precipitation Europe methodology)
- Osborn, T.J., Briffa, K.R., Tett, S.F.B. and Jones, P.D., 1998
"The North Atlantic Oscillation: observations, models and paleodata."
 In: Proc. 2nd European Conf. on Applied Climatology, Vienna, October 1998. [CD-ROM available from ZAMG, Vienna, Austria]
 (keywords: NAO modelling palaeo datasets paleo)
- Palutikof, J.P., Goodess, C.M., Watkins, S.J., Adcock, S.T. and Trigo, R.M., 1998
"Scenarios for target areas: Extreme events."
 MEDALUS III Final Report, 43pp
 (keywords: MEDALUS extreme events impacts Europe)
- Palutikof, J.P., Subak, S. and Agnew, M.D., 1998
"Impacts of the Exceptionally Hot Weather of 1995 in the UK."
 In: Proc. 10th Conference on Applied Climatology, American Meteorological Conference, Reno, Nevada, October 1997, pp.232-235
 (keywords: impacts climate change UK economic)
- Parry, M.L., Arnell, N., Hulme, M., Nicholls, R.J. and Livermore, M., 1998
"Adapting to the inevitable."
 Nature 395, p.741
- 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 Environmental Change 8, 285-289
 (keywords: targets climate change impacts political economic pollution)
- Peterson, T.C., Easterling, D.R., Karl, T.R., Groisman, P., Nicholls, N., Plummer, N., Torok, S., Auer, I., Bohm, R., Jones, P.D et al, 1998
"Homogeneity adjustments of in situ atmospheric climate data: a review."
 International Journal of Climatology, 18 1493-1517
- Semenov, M.A., Brooks, R.J., Barrow, E.M. and Richardson, C.W., 1998
"Comparison of the WGEN and LARS-WG stochastic weather generators for diverse climates."
 Climate Research 10, 95-107 (R)
 (keywords: weather generators climate change methodology modelling)

Servat, E., Hughes, D., Fritsch, J.M. and Hulme, M. (Eds.), 1998
“*Water resources availability in Africa during the 20th century.*”
IAHS Publication No. 252, Wallingford, UK, 462pp
(keywords: hydrology drought Africa climate change desertification precipitation rainfall)

Shahgedonova, M., Burt, T.P. and Davies, T.D., 1998
“*Some aspects of the three-dimensional heat island in Moscow.*”
Int. J. Climatol. 17, 1451-1465
(keywords: methodology statistics Russia regional modelling temperature GCMs)

Villalba, R., Cook, E.R., Jacoby, G.C., D'Arrigo, R.D., Veblen, T.T. and Jones, P.D., 1998
“*Tree-ring based reconstructions of northern Patagonia precipitation since A.D. 1600.*”
The Holocene, 8 659-674

Wilby, R.L., Wigley, T.M.L., Conway, D., Jones, P.D., Hewitson, B.C., Main, J. and Wilks, D.S., 1998
“*Statistical downscaling of General Circulation Model output: A comparison of methods.*”
Water Resources Research 34(11), 2995-3008 (R)
(keywords: statistics GCMs methodology)

Wilby, R.L., Wigley, T.M.L., Conway, D., Jones, P.D., Hewitson, B.C., Main, J. and Wilks, D.S., 1998
“*Statistical downscaling of general circulation model output: A comparison of methods.*”
Water Resources Research 34, 2995-3008
(keywords: statistics GCMs methodology downscaling)

Wilkinson, C., 1998
“*The Earl of Egmont and the Navy 1763-1766*”
Mariners Mirror, the Journal of the Society for Nautical Research, Vol. 84, No. 4, 418-433

1997

Adcock, S.T., Dukes, M.D.G., Goodess, C.M. and Palutikof, J.P., 1997
“*A critical review of the climate literature relevant to the deep disposal of radioactive waste.*”
Science Report No. S/97/009, UK NIREX Ltd. 294pp. ISBN 1 84029 031 5.
(keywords: radioactive waste climate pollution)

Adger, W.N., Kelly, M., Nguyen Huu Ninh and Ngo Cam Thanh., 1997
“*Property rights and the social incidence of mangrove conversion in Vietnam.*”
CSERGE Working Paper GEC 97-21. Centre for Social & Economic Research on the Global Environment, School of Environmental Sciences, University of East Anglia, Norwich, U.K.
(keywords: social economic mangrove impacts Vietnam climate change)

Adger, W.N., Kelly, P.M. and Tri, N.H., 1997
“*Valuing the products and services of mangrove restoration*”
Commonwealth Forestry Review 76(3), 198-202 (R)
(keywords: mangrove climate change cost benefit analysis economic valuation Vietnam)

Agnew, M.D., 1997
“*Tourism.*”
In: Economic Impacts of the Hot Summer and Unusually Warm Year of 1995 (Palutikof, J.P., Subak, S. and Agnew, M., Eds.), pp.138-148 Prepared at the request of the Department of the Environment.
(keywords: economic impacts climate change UK temperature methodology tourism)

Agnew, M.D. and Palutikof, J.P., 1997
“*Retailing and Manufacturing.*”
In: Economic Impacts of the Hot Summer and Unusually Warm Year of 1995 (Palutikof, J.P., Subak, S. and Agnew, M.D., Eds.), pp.97-117 Prepared at the request of the Department of the Environment.
(keywords: retaining manufacturing climate change impacts)

Agnew, M.D. and Palutikof, J.P., 1997
“*GIS-based downscaling of climate data for the Mediterranean Basin using terrain information.*”
In: Proc. Conference on Spatial Data Distribution in Meteorology and Climatology, 28 September - 3 October 1997, Volterra, Italy.
(keywords: climate change modelling datasets Mediterranean terrain GIS downscaling methodology)

Barrow, E.M. and Hulme, M., 1997

"Describing the surface climate of the British Isles."

pp.33-62 in: *Climates of the British Isles: Present, Past and Future* (M. Hulme and E.M. Barrow, Eds.), 454pp Routledge, London.

(keywords: climate change UK regional)

Barthelmie, R.J. and Palutikof, J.P., 1997

"Coastal wind speed modelling for wind energy applications."

Journal of Wind Engineering and Industrial Aerodynamics 62, 213-236

(keywords: wind speed energy modelling)

Bohn, L. and Hulme, M., 1997

"El Ninos: the heartbeat of climates."

The World Today 53, 306-309 (R)

(keywords: ENSO climate change)

Bridges, K., Davies, T.D. and Jickells, T.D., 1997

"Pollution history and pollution regime in the heavily-industrialised region of northern Bohemia (Czech Republic)."

Final Report to the European Commission, 140pp University of East Anglia

(keywords: pollution historical observations impacts Europe Czech Republic atmospheric)

Briffa, K.R. and Atkinson, T., 1997

"Reconstructing late-glacial and Holocene Climates."

In: *Climates of the British Isles: Present, Past and Future* (Eds. M. Hulme and E. Barrow) pp.84-111 Routledge, London. (R)

(keywords: climate change, tree rings)

Chattopadhyay, N. and Hulme, M., 1997

"Evaporation and potential evapotranspiration in India under conditions of recent and future climate change."

Agricultural and Forest Meteorology 87, 55-72 (R)

(keywords: PET India climate change impacts)

Climatic Research Unit, University of East Anglia, 1997

"Extended flow records at key locations in England and Wales (Phase 2). R&D Technical Report W25."

Climatic Research Unit, UEA, work commissioned by the Environment Agency, R&D Technical Report W25. 106pp Foundation for Water Research, Allen House, The Listons, Liston Road, Marlow, Bucks SL7 1FD, Tel. 01628-891589. (R)

(keywords: hydrology historical records UK Europe rainfall methodology rivers climate modelling global warming climate change)

Conway, D., 1997

"A water balance model of the Upper Blue Nile in Ethiopia."

Hydrological Sciences Journal 42(2), 265-286 (R)

(keywords: hydrology Ethiopia modelling)

Conway, D., 1997

"A spatial and temporal analysis of two extreme rainfall episodes in East Africa: 1916-1917 and 1961-1964."

Fifth Int. Conf. on Southern Hemisphere Meteorology and Oceanography, AMS Preprint volume.

(keywords: precipitation Africa)

Conway, D., 1997

"Climate change and water resources: an example from the Nile."

In: *Water, History and Civilization. Water Works* 4, 72-73 (R)

(keywords: climate change hydrology impacts Egypt regional study)

Davies, T.D., 1997

"Global warming, the climate response and some possible impacts."

In: *Agriculture and Climate Change* (Ed. T. O'Riordan); CSERGE Working Paper PA 97-02, pp.6-19 University of East Anglia, Norwich, UK.

(keywords: global warming climate change impacts greenhouse politics)

Davies, T.D., Kelly, P.M. and Osborn, T., 1997

"Explaining the climate of the British Isles."

In: *Climates of the British Isles* (Eds. M. Hulme and E. Barrow), pp.11-32 Routledge.

(keywords: climate change UK regional historical)

DeWalle, D.R. and Davies, T.D., 1997

"Seasonal variations in acid-neutralising capacity in 13 northeast United States headwater streams."

Water Resources Research 33(4), 801-807

(keywords: acid rain pollution USA regional observations chemistry)

Dickson, R.R., Osborn, T.J., Hurrell, J.W., Meincke, J., Blindheim, J., Adlandsvik, B., Vigne, T., Alekseev, G., Maslowski, W. and Cattle, H., 1997

"The Arctic Ocean response to the North Atlantic Oscillation."

In: Proc. ACSYS/WCRP Conference on Polar Processes and Global Climate, Rosario, Washington, 3-6 Nov. 1997, pp.46-47

Available from International ACSYS Project Office, Oslo, Norway.

(keywords: oceanography NAO climate change)

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 (R)

(keywords: climate change Africa regional impacts economy social agriculture)

Easterling, D.R., Horton, B., Jones, P.D., Peterson, T.C., Karl, T.R., Parker, D.E., Salinger, M.J., Razuvayev, V., Plummer, N., Jamason, P. & Folland, C.K., 1997

"A new look at maximum and minimum temperature trends for the globe."

Science, 277 364-367

Goodess, C.M. and Palutikof, J.P., 1997

"Climate beyond the twenty-first century."

In: The Climate of the British Isles: Present, Past and Future (Eds. M. Hulme and E.M. Barrow), pp.340-358 Routledge, London

(keywords: climate change historical methodology statistics tree rings global warming)

Goodess, C.M., Burgess, P.E. and Palutikof, J.P., 1997

"Investigation of climatic effects relevant to the deep disposal of radioactive waste using a zonally-averaged climate model and palaeoenvironmental records."

In: Glaciation and Hydrogeology. Workshop on the Impact of Climate Change and Glaciations on Rock Stresses, Groundwater Flow and Hydrochemistry - Past, Present and Future (Eds. L. King-Clayton, N. Chapman, L.O. Ericsson and F. Kautsky). SKI Report 97:13, pp.A19-A20. Norstedts Tryckeri AB, Stockholm, ISSN 1104-1374.

(keywords: climate change radioactive waste pollution modelling historical proxy records)

Goodess, C.M., Mariani, L., Palutikof, J.P., Menichini, V. and Minardi, G.P., 1997

"Estimating future climates in the Mediterranean."

In: Atlas of Mediterranean Environments in Europe: the desertification context. (Mairota, P., Thornes, J.B. and Geeson, N., Eds.) pp.38-42 John Wiley and Sons, London.

(keywords: climate change forecasting Europe scenarios Mediterranean)

Hulme, M., 1997

"Global Warming"

Progress in Physical Geography 21(3), 446-453 (R)

(keywords: climate change global warming)

Hulme, M., 1997

"The climate in the UK from November 1994 to October 1995."

Weather 52, 242-257

(keywords: climate change regional Europe UK)

Hulme, M. and Barrow, E.M., 1997

"Introducing climate change."

pp.1-7 in: Climates of the British Isles: Present, Past and Future (M. Hulme and E.M. Barrow, Eds.), 454pp Routledge, London.

(keywords: climate change methodology observations)

Hulme, M. and Barrow, E.M. (Eds.), 1997

"The Climate of the British Isles: Present, Past and Future."

454pp Routledge, London.

(keywords: climate change UK historical impacts book)

Hulme, M. and New, M., 1997

"Dependence of large-scale precipitation climatologies on temporal and spatial gauge sampling."

Journal of Climate 10, 1099-1113 (R)

(keywords: precipitation methodology observations)

Hulme, M. and Parry, M.L., 1997

"Kyoto to save the world?"

New Scientist 6, p.51

(keywords: impacts political climate change global warming)

Hulme, M. and Parry, M.L., 1997

"Whistling in the dark."

Hulme, M., Parry, M.L., Arnell, N. and Nicholls, R.J., 1997

"Trouble is on its way."

The Guardian, 2 December, p.17

(keywords: climate change impacts)

Jones, P.D. and Conway, D., 1997

"Precipitation in the British Isles: An analysis of area-average data updated to 1995."

International Journal of Climatology 17, 427-438 (R)

(keywords: precipitation UK statistics datasets rainfall climate change)

Jones, P.D. and Hulme, M., 1997

"The changing temperature of 'Central England'."

pp.173-195 in: Climates of the British Isles: Present, Past and Future (M. Hulme and E.M. Barrow, Eds.), 454pp Routledge, London.

(keywords: climate change UK temperature NH regional Europe observations)

Jones, P.D. and Hulme, M., 1997

"The changing temperature of 'Central England'."

In, Climates of the British Isles: present, past and future. (Eds. M. Hulme and E. Barrow). 173-196 Routledge, London.

Jones, P.D., Conway, D. and Briffa, K.R., 1997

"Precipitation variability and drought."

In 'Climate of the British Isles, Present, Past and Future' (Eds. M. Hulme and E. Barrow). 197-219 Routledge, London.

(keywords: precipitation drought)

Jones, P.D., Conway, D. and Briffa, K.R., 1997

"Precipitation variability and drought."

In, Climates of the British Isles: present, past and future (Eds. M. Hulme and E. Barrow) 197-219 Routledge, London

Jones, P.D., Jonsson, T. and Wheeler, D., 1997

"Extension to the North Atlantic Oscillation using early instrumental pressure observations from Gibraltar and south-west Iceland."

Journal of Climatology 17, 1433-1450 (R)

(keywords: NAO historical methodology reconstruction statistics oceanography Northern Hemisphere)

Jones, P.D., Osborn, T.J. and Briffa, K.R., 1997

"Estimating sampling errors in large-scale temperature averages."

Journal of Climate 10, 2548-2568 (R)

(keywords: statistics methodology)

Jones, P.D., Osborn, T.J., Wigley, T.M.L., Kelly, P.M. and Santer, B.D., 1997

"Comparisons between the microwave sounding unit temperature record and the surface temperature record from 1979 to 1996: real differences or potential discontinuities?"

Journal of Geophysical Research 102(D25), 20,135-30,145 (R)

(keywords: microwave temperature surface methodology statistics)

Jones, P.D., Osborn, T.J., Wigley, T.M.L., Kelly, P.M. and Santer, B.D., 1997

"Comparisons between MSU2R temperature record and the surface temperature record over 1979 to 1996: real differences or potential discontinuities?"

Journal of Geophysical Research 102, 30135-30145

(keywords: temperature surface climate change analysis statistics)

Jones, P.D., Osborn, T.J., Wigley, T.M.L., Kelly, P.M. and Santer, B.D., 1997

"Potential discontinuities in the MSU2R temperature record revealed by comparisons with the surface record over 1979 to 1996."

Journal of Geophysical Research, 102 30135-30145

Kelly, M. and Granich, S., 1997

"The challenge of climate change."

The Courier, No. 163, May-June 1997 44-46 (R)

(keywords: climate change, greenhouse)

Kelly, M. and Granich, S., 1997

"Climate Change. (Briefing Document)"

Powerful Information, Milton Keynes.

(keywords: climate change global warming impacts)

Kelly, P.M., Jones, P.D. and Briffa, K.R., 1997

“Classifying the winds and weather.”

In: *Climates of the British Isles: present, past and future.* (Eds. M. Hulme and E. Barrow) 153-172 Routledge, London

Kington, J.A., 1997

“Water and civilization.”

Water Works 4, p.68

(keywords: water hydrology historical climate)

Kington, J.A., 1997

“The voyage of the British First Fleet from Portsmouth to Port Jackson in 1787-1788 and its impact on the history of meteorology in Australia.”

In: *Colonial observatories and observations: Meteorology and geophysics* (Eds. J.M. Kenworthy and J.M. Walker). Occasional Publication No. 31, pp.37-47 Department of Geography, University of Durham, Durham.

(keywords: historical meteorology climate Australia)

Kington, J.A., 1997

“Water, History and Civilization.”

Vol IV, Winter 1996-1997 (Nos. 5&6), 65-96 (R)

(keywords: water historical records social economic impacts hydrology precipitation drought)

Kington, J.A., 1997

“Review: History of Weather and Climate in the Czech Lands I: Period 1000-1500.”

Weather 52, p.26

(keywords: historical weather climate Europe Czech)

Kington, J.A., 1997

“Review: History of Weather and Climate in the Czech Lands II: The Earliest Daily Observations of Weather in the Czech Lands.”

Weather 52, 293-294

(keywords: historical observations documentary records Czech Europe weather climate daily)

Kington, J.A., 1997

“The severe winter of 1697-98.”

Weather 52, 386-391

(keywords: severe weather winter exceptional climate change observations historical records)

Luckman, B.H., Briffa, K.R., Jones, P.D. and Schweingruber, F.H., 1997

“Tree-ring based reconstruction of summer temperatures at the Columbia Icefield, Alberta, Canada, AD 1073-1983.”

The Holocene 7(4), 375-389 (R)

(keywords: tree rings reconstruction temperature Canada methodology historical statistics)

Osborn, T.J., 1997

“Thermohaline oscillations in the LSG OGCM: propagating anomalies and sensitivity to parameterizations.”

Journal of Physical Oceanography 27, 2233-2255 (R)

(keywords: GCMs (14/11/97) statistics methodology)

Osborn, T.J., 1997

“Areal and point precipitation intensity changes: implications for the application of climate models.”

Geophysical Research Letters 24, 2829-2832 (R)

(keywords: methodology precipitation climate modelling GCMs)

Osborn, T.J. and Hulme, M., 1997

“Development of a relationship between station and gridbox rainday frequencies for climate model validation.”

Journal of Climate 10, 1885-1908 (R)

(keywords: precipitation validation GCMs methodology)

Osborn, T.J., Briffa, K.R. and Jones, P.D., 1997

“Adjusting variance for sample-size in tree-ring chronologies and other regional mean timeseries.”

Dendrochronologia 15, 89-99 (R)

(keywords: statistics methodology tree rings datasets timeseries modelling)

Palutikof, J.P., Agnew, M.D. and Subak, S., 1997

“The Economy.”

In: *Economic Impacts of the Hot Summer and Unusually Warm Year of 1995* (Palutikof, J.P., Subak, S. and Agnew, M.D., Eds.),

pp.163-170 Prepared at the request of the Department of the Environment.
(keywords: economic impacts climate change UK)

Palutikof, J.P., Holt, T. and Skellern, A., 1997

"Wind - resource and hazard."

pp.220-242 in: The Climate of the British Isles: Present, Past and Future (M. Hulme and E.M. Barrow, Eds.). Routledge, London. ISBN 0-415-13017-4

(keywords: wind energy speed impacts disasters)

Palutikof, J.P., Subak, S. and Agnew, M.D. (Eds.), 1997

"Economic Impacts of the Hot Summer and Unusually Warm Year of 1995."

University of East Anglia, Norwich (for the Dept. of the Environment), 196pp. Can be obtained from the Global Atmosphere Division, UK Department of the Environment, Romney House, Marsham Street, London. ISBN 0-902170-05-8.

(keywords: economic impacts climate change global warming)

Palutikof, J.P., Winkler, J.A., Goodess, C.M. and Andresen, J.A., 1997

"The simulation of daily temperature time series from GCM output. Part I: Comparison of model data with observations."

Journal of Climate 10, 2497-2513 (R)

(keywords: modelling GCMs observations temperature climate change)

Peterson, T.C., Daan, H. and Jones, P.D., 1997

"Initial selection of a GCOS surface network."

Bulletin of the American Meteorological Society, 78 2145-2152

Rainbird, P., Shein, K.A., Hannah, P. and Palutikof, J.P., 1997

"Prediction of extreme windspeeds at wind energy sites."

In: Proc. 1996 European Union Wind Energy Conf., Gothenburg, 20-24 May 1996 (A. Zervos, H. Ehmann and P. Helm, Eds.), pp.600-603 H.S. Stephens & Associates, Bedford. ISBN 0-952-14529-4. (R)

(keywords: prediction wind energy speed)

Raper, S.C.B., Viner, D., Hulme, M. and Barrow, E.M., 1997

"Global warming and the British Isles."

pp.326-339 in: Climates of the British Isles: Present, Past and Future (M. Hulme and E.M. Barrow, Eds.), 454pp Routledge, London.

(keywords: global warming climate change UK regional Europe NH impacts book)

Robertson, I., Switsur, V.R., Carter, A.H.C., Barker, A.C., Waterhouse, J.S., Briffa, K.R. and Jones, P.D., 1997

"Signal strength and climate relationships in 13C/12C ratios of tree-ring cellulose from oak in east England."

Journal of Geophysical Research, 102 19507-19516

Semenov, M. and Barrow, E.M., 1997

"Use of a stochastic weather generator in the development of climate change scenarios."

Climate Change 35, 397-414 (R)

(keywords: climate change, scenarios)

Villalba, R., Cook, E.R., D'Arrigo, R.D., Jacoby, G.C., Jones, P.D., Salinger, M.J. and Palmer, J., 1997

"Sea-level pressure variability around Antarctica since A.D. 1750 inferred from subantarctic tree-ring records."

Climate Dynamics 13, 375-390 (R)

(keywords: sea level pressure Antarctica historical records tree rings)

Wigley, T.M.L., Jones, P.D. and Raper, S.C.B., 1997

"The observed global warming record: what does it tell us. Paper presented at a colloquium entitled Carbon Dioxide and Climate Change, and held November 13-15, 1995, at the National Academy of Sciences, Irvine, CA."

In: Proceedings of the National Academy of Sciences U.S.A., Vol. 94, pp.8314-8320 The National Academy of Sciences, U.S.A. (R)

(keywords: global warming datasets)

Winkler, J.A., Palutikof, J.P., Andresen, J.A. and Goodess, C.M., 1997

"The simulation of daily temperature time series from GCM output. Part II: Sensitivity analysis of an empirical transfer function methodology."

Journal of Climate 10, 2514-2532 (R)

(keywords: GCMs temperature methodology statistics)

Agnew, M.D., 1996

"Modelling weather sensitivity in the UK food retail-distribution industry."

In: Proc. European Conference on Applied Climatology, Norrköping, Sweden 7-10 May, 1996.

(keywords: climate change modelling UK retailing distribution methodology)

Airey, M.J., Hulme, M. and Johns, T., 1996

"Evaluation of simulations of precipitation by the UK Met. Office/Hadley Centre model."

Geophysical Research Letters 23, 1657-1660

(keywords: precipitation GCMs methodology)

Airey, M.J., Hulme, M. and Johns, T.C., 1996

"Evaluation of simulations of terrestrial precipitation in UK Met. Office/Hadley Centre climate change experiments."

Geophysical Research Letters 23(13), 1657-1660 (R)

(keywords: precipitation climate change modelling methodology)

Barnett, T.P., Santer, B.D., Jones, P.D., Bradley, R.S. and Briffa, K.R., 1996

"Estimates of low frequency natural variability in near-surface air temperature."

The Holocene, 255-263. (R)

(keywords: air temperature methodology)

Barnett, T.P., Santer, B.D., Jones, P.D., Bradley, R.S. and Briffa, K.R., 1996

"Estimates of low frequency natural variability in near-surface air temperature."

The Holocene 6, 255-263

(keywords: air temperature climate change methodology)

Barrow, E.M. and Hulme, M., 1996

"Changing probabilities of daily temperature extremes in the UK related to future global warming and changes in climate variability."

Climate Research 6, 21-31 (R)

(keywords: temperature UK global warming projections variability disasters impacts)

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 (R)

(keywords: climate change Europe methodology scenarios)

Briffa, K.R., Jones, P.D., Schweingruber, F.H., Karlen, W. and Shiyatov, S.G., 1996

"Tree-ring variables as proxy-climate indicators: problems with low-frequency signals."

In: Climatic Variations and Forcing Mechanisms of the Last 2000 Years (Eds. P.D. Jones, S. Bradley and J. Jouzel). pp.9-41

NATO ASI Series Vol. 141, Springer-Verlag, Berlin. (R)

(keywords: tree rings variability climate)

Briffa, K.R., Jones, P.D., Schweingruber, F.H., Shiyatov, S.G. and Vaganov, E.A., 1996

"Development of a north Eurasian chronology network: Rationale and preliminary results of comparative ring-width and densitometric analyses in northern Russia."

Tree Rings, Environment and Humanity (Eds. J.S. Dean, D.M. Meko and T.W. Swetnam), Radiocarbon 1996, pp.25-41 (R)

(keywords: tree rings methodology Eurasia)

Buckland, P.C., Amorosi, T., Barlow, L.K., Dugmore, A.J., Mayewski, P.A., McGovern, T.H., Ogilvie, A.E.J., Sadler, J.P. and Skidmore, P., 1996

"Bioarchaeological and climatological evidence for the fate of Norse farmers in medieval Greenland."

Antiquity 70(267), 88-96 (R)

(keywords: climate change historical agriculture Greenland)

Burgess, P., Palutikof, J.P. and Loutre, M.-F., 1996

"Validation of temperature from a two-dimensional climate model."

Preprints, 13th Conf. on Probability and Statistics in the Atmospheric Sciences, American Met. Soc., San Francisco, 21-23 Feb.

1996, pp.330-333

(keywords: temperature validation modelling climate change methodology)

Conway, D. and Hulme, M., 1996

"The impacts of climate variability and climate change in the Nile Basin on future water resources in Egypt."

Water Resources Development 12(3), 277-296 (R)

(keywords: climate change impacts forecasting Egypt hydrology)

Conway, D. and Jones, P.D., 1996

"POPSICLE - Production of Precipitation Scenarios for Climate Impacts in Europe."

Final Report. European Community Environment Research Programme (contract: EV5V-CT-94-0510), 50pp Climatic Research

Unit, University of East Anglia, Norwich, U.K. (R)
(keywords: precipitation scenarios methodology climate change impacts Europe)

Conway, D., Krol, M., Alcamo, J. and Hulme, M., 1996
“*Future availability of water in Egypt: the interaction of global, regional and basin scale driving forces in the Nile Basin.*”
Ambio 25(5), 336-342 (R)
(keywords: climate change hydrology Egypt)

Conway, D., Wilby, R.L. and Jones, P.D., 1996
“*Precipitation and air flow indices over the British Isles.*”
Climate Research 7, 169-183 (R)
(keywords: air precipitation)

Davies, T.D. and Tranter, M., 1996
“*Comment on 'The episodic acidification of Adirondack lakes during snowmelt' by Douglas A. Schaefer et al.*”
Water Resources Research 32(2), 491-493
(keywords: acid rain lakes impacts pollution snow)

Davies, T.D., Hulme, M., Jones, P.D. and Conway, D., 1996
“*Rainfall trends over the British Isles.*”
Water Conservation and Supply. House of Commons Environment Committee, First Report, London, pp.367-369 The Stationery Office.
(keywords: precipitation trends UK observations statistics rainfall)

Dlugolecki, A.F., Clark, K.M., Knecht, F., McCauley, D., Palutikof, J.P. and Yambi, W., 1996
“*Financial Services.*”
Chapter B9 in Inter-Governmental Panel on Climate Change Second Assessment Report Working Group II Impacts of Climate Change, pp.539-560 ISBN 0-521-56431-X.
(keywords: economic impacts climate change)

Dorling, S.R. and Davies, T.D., 1996
“*Precipitation Chemistry Monitoring at the Burren and Capard 1985-1994.*”
Final Report to the Electricity Supply Board, Ireland, 150pp
(keywords: chemistry precipitation observations)

Evans, C., Davies, T.D., Wigington, P.J.Jr. and Tranter, M., 1996
“*Use of factor analysis to investigate processes controlling the chemical composition of four streams in the Adirondack Mts., New York.*”
Journ. Hydrol. 185, 297-316
(keywords: statistics methodology chemistry hydrology pollution impacts regional USA)

Goodess, C.M. and Palutikof, J.P., 1996
“*Daily rainfall scenarios for Southeast Spain.*”
Abstract Book, 28th International Geographical Congress, The Hague, August 4-10, 1996, p.157
(keywords: precipitation Spain scenarios Europe)

Hannah, P., Rainbird, P., Palutikof, J. and Shein, K., 1996
“*Prediction of extreme wind speeds at wind energy sites.*”
Energy Technology Support Unit, Harwell, ETSU W/11/00427/REP.
(keywords: wind speed prediction energy methodology)

Hegerl, G., von Storch, H., Hasselmann, K., Santer, B.D., Cubasch, U. and Jones, P.D., 1996
“*Detecting anthropogenic climate change with a fingerprint method.*”
Journal of Climate 9, 2281-2306
(keywords: detection climate change statistics methodology)

Hordijk, L., Kroeze, C., Alcamo, J., Davies, T.D., Drewry, D.J., Ford, D., Mearns, L. and Wright, R.F., 1996
“*Evaluation of the Finnish Research Programme on Climate Change (SILMU).*”
Publication 7/96 of the Academy of Finland, Helsinki, 61pp
(keywords: methodology climate change research Finland)

Houghton, J.T., Meira Filho, L.G., Callander, B.A., Harris, N., Kattenberg, A. and Maskell, K. (Eds.), 1996
“*Climate Change 1995.*”
Published for the Intergovernmental Panel on Climate Change. 572pp. Cambridge University Press, ISBN 0 521 56436 0 (pb)
(keywords: climate change impacts IPCC global warming economic political social)

Hulme, M., 1996
“*Recent climatic change in the world's drylands.*”

Geophysical Research Letters 20(1), 61-64 (R)
(keywords: climate change desertification precipitation global warming)

Hulme, M., 1996
“*Global warming.*”
Progress in Physical Geography 20(2), 216-223 (R)

Hulme, M., 1996
“*Climatic change within the period of meteorological records.*”
(In) The Physical Geography of Africa (Eds., W.M. Adams, A.S. Goudie and A.R. Orme). pp.88-102 Oxford University Press, Oxford, U.K. 348pp.
(keywords: climate change methodology historical observations)

Hulme, M., 1996
“*A scenario of changing climate and sea-level for the UK.*”
Climate Impacts LINK Technical Note No. 7, 44pp. Climatic Research Unit, Norwich, U.K.
(keywords: climate change sea level UK scenarios)

Hulme, M. et al (Conway, D. a contributory author), 1996
“*Climate change and Southern Africa: an exploration of some potential impacts and implications in the SADC region.*”
104pp Climatic Research Unit and WWF International.
(keywords: climate change Africa impacts drought desertification)

Hulme, M., Conway, D., Joyce, A. and Mulenga, H., 1996
“*A 1961-90 climatology for Africa south of the Equator and a comparison of potential evapotranspiration estimates.*”
South African Journal of Science 92, 334-343. (R)
(keywords: climate change historical Africa PET)

Jia Pengqun and Kelly, P.M., 1996
“*The identification of the volcanic signal in global surface temperature records.*”
Acta Meteorologica Sinica 10(2), 222-232 (R)
(keywords: volcanoes global warming surface temperature historical)

Jones, P.D., 1996
“*A la recherche du temps perdu (News and Views item.)*”
Nature 381 375-376

Jones, P.D. and Briffa, K.R., 1996
“*What can the instrumental record tell us about longer timescale paleoclimatic reconstructions?*”
pp.625-644 in: Climatic Variations and Forcing Mechanisms of the Last 2000 Years (Eds. P.D. Jones, R.S. Bradley and J. Jouzel), NATO ASI Series Vol. 141. Springer Verlag, Berlin, Heidelberg. (R)
(keywords: historical instrumental reconstructions)

Jones, P.D. and Briffa, K.R., 1996
“*Decadal-to-century timescale variability of regional and hemispheric-scale temperatures*”
In, The Natural Variability of the Climate System on 10-100 year timescales (Eds. D. Martinson et al.) 512-520 National Academy Press, Washington, D.C.

Jones, P.D. and Hulme, M., 1996
“*Calculating regional climatic time series for temperature and precipitation: methods and illustrations.*”
Journal of Climatology 16, 361-377 (R)
(keywords: temperature precipitation methodology regional climate change statistics)

Jones, P.D. and Kelly, P.M., 1996
“*The effect of tropical explosive volcanic eruptions on surface air temperature.*”
pp.95-111 in: The Mount Pinatubo Eruption Effects on the Atmosphere and Climate (Eds. G. Fiocco, D. Fua and G. Visconti). NATO ASI Series, Vol.142, Springer-Verlag, Berlin, Heidelberg. (R)
(keywords: volcanos surface air temperature climate change)

Jones, P.D. and Kelly, P.M., 1996
“*Recent warmth in 1994/95 and the role of the circulation in the divergence between surface and MSU2R temperatures since the mid 1980s. (Ed. D.R. Rodenhuis)*”
Proceedings of the Twentieth Climate Diagnostics Workshop 5-8 U.S. Dept. of Commerce, NOAA.

Jones, P.D., Bradley, R.S. and Jouzel, J., 1996
“*Introduction*”

In, *Climate Variations and Forcing Mechanisms of the Last 2000 Years* (Eds. P.D. Jones, R.S. Bradley and J. Jouzel) 645-649 Springer-Verlag, Berlin

Jones, P.D., Bradley, R.S. and Jouzel, J., 1996
“*Conclusions and Recommendations.*”

In, *Climatic Variations and Forcing Mechanisms of the Last 2000 Years* (Eds. P.D. Jones, R.S. Bradley and J. Jouzel). 645-649 Springer-Verlag, Berlin

Jones, P.D., Bradley, R.S. and Jouzel, J. (Editors), 1996
“*Climate Variations and Forcing Mechanisms of the Last 2000 Years.*”
649pp Springer-Verlag, Berlin

Jones, P.D., Hulme, M., Briffa, K.R., Jones, C.G., Mitchell, J.F.B. and Murphy, J.M., 1996
“*Summer moisture availability over Europe in the Hadley Centre General Circulation Model based on the Palmer Drought Severity Index.*”
International Journal of Climatology 16, 155-172 (R)
(keywords: rainfall Europe GCMs PDSI)

Karl, T.R., Jones, P.D., Knight, R.W., Kukla, G., Plummer, N., Razuvayev, V., Gallo, K.P., Lindsay, J.A. and Charlson, R.J., 1996
“*Asymmetric trends of daily maximum and minimum temperature: empirical evidence and possible causes.*”
In, *The Natural Variability of the Climate System on 10-100 year timescales* (Eds. D. Martinson et al.) 80-96 National Academy Press, Washington, D.C.

Karoly, D.J., Hope, P. and Jones, P.D., 1996
“*Decadal variations of the Southern Hemisphere circulation.*”
International Journal of Climatology 16, 723-738
(keywords: SH climate change global warming)

Kelly, M., 1996
“*Sea level rise and the Thames Barrier.*”
Acropolis, Anno 1, n.4, Issue 11, 66-68 (R)
(keywords: sea level)

Kelly, P.M., 1996
“*Climate change: Factor X.*”
pp.12-15 in: *Water, Land Use and Sustainable Development*, Proceedings Paper No. 3 of the East Anglian SARD Working Group (Ed. T. Oram). 52pp Farmer's Link. (R)
(keywords: climate change hydrology agriculture impacts development)

Kelly, P.M. and Jones, P.D., 1996
“*Removal of the El Nino-Southern Oscillation signal from the gridded surface air temperature data set.*”
Journal of Geophysical Research 101(D14), 19,013-19,022 (R)
(keywords: ENSO air temperature datasets methodology climate change global warming)

Kelly, P.M., Jones, P.D. and Jia Pengqun, 1996
“*The spatial response of the climate system to explosive volcanic eruptions.*”
International Journal of Climatology 16(5), 537-550 (R)
(keywords: climate change volcanoes)

Kelly, P.M., Pengqun, J. and Jones, P.D., 1996
“*The spatial temperature response to large volcanic eruptions.*”
International Journal of Climatology, 16 537-550

Kington, J.A., 1996
“*Reconstructing past climates of Europe: EURO-CLIMHIST.*”
In: *Transactions of the Ninth International Congress on the Enlightenment*, pp.1074-1077 Voltaire Foundation at the Taylor Institution, Oxford.
(keywords: reconstruction historical climate change Europe)

Kington, J.A., 1996
“*The voyage of the First Fleet from Portsmouth to Port Jackson in 1787-1788 and its impact on the history of meteorology in Australia.*”
In: *Actes du Colloque des Societes Britannique, Francaise et Irlandaise d'Etudes due XVIIIe Siecle: L'Horizon colonial* (Ed. G. Lamoine), pp.129-141 Universite de Toulouse Le Mirail.
(keywords: historical meteorology Australia)

New, M.G. and Schulze, R.E., 1996

"Hydrologic sensitivity to climate change in the Langrivier catchment, Stellenbosch, South Africa and some implications for geomorphic processes."

Zeits. Geomorph., Supplementband 107, 11-34

(keywords: hydrology climate change Africa geomorphic impacts)

Ogilvie, A.E.J., 1996

"Sea-ice conditions off the coasts of Iceland A.D. 1601-1850 with special reference to part of the Maunder Minimum period (1675-1715)."

In: North European climate data in the latter part of the Maunder Minimum period A.D. 1675-1715 (Ed. E.S. Pedersen), pp.9-12 AmS-Varia 25, Museum of Archaeology, Stavanger. (R)

(keywords: sea ice)

Osborn, T.J., 1996

"Comment on 'Climate drift in a global ocean general circulation model'."

Journal of Physical Oceanography 26(8), 1661-1663 (R)

(keywords: GCMS oceanography climate change)

Osborn, T.J., 1996

"Are model simulations of oceanic variability relevant to the real world?"

Climate Monitor 24, 23-28 Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: modelling GCMS oceans methodology)

Palutikof, J.P. and Adcock, S.T., 1996

"Estimating the productivity of a wind turbine from wind speed statistics."

Preprints, Symp. on Environmental Applications, 76th American Met. Soc. Annual Meeting, Atlanta, Jan. 1996, pp.64-67

(keywords: wind energy speed statistics methodology)

Palutikof, J.P. and Goodess, C.M., 1996

"Precipitation trends over the Mediterranean Basin."

Abstract Book, 28th International Geographical Congress, The Hague, August 4-10, 1996, p.343

(keywords: precipitation regional Europe trends)

Palutikof, J.P. and Wigley, T.M.L., 1996

"Developing climate change scenarios for the Mediterranean region."

In: Climate Change and the Mediterranean. Volume 2. (L. Jeftic, S. Keckes and J.C. Pernetta, Eds), Edward Arnold, London, pp.27-56 Edward Arnold. ISBN 0 340 64565 2. (R)

(keywords: climate change scenarios methodology Europe regional Mediterranean)

Palutikof, J.P., Conte, M., Casimiro Mendes, J., Goodess, C.M. and Espirito Santo, F., 1996

"Climate and Climate Change"

In: Mediterranean Desertification and Land Use (Eds. C. Jane Brandt and John B. Thornes) pp.43-86 John Wiley and Sons Ltd.

ISBN 0-471-94250-2. (R)

(keywords: climate change Mediterranean impacts)

Palutikof, J.P., Conte, M., Casimiro Mendes, J., Goodess, C.M. and Espirito Santo, F., 1996

"Climate and climatic change."

In: Mediterranean Desertification and Land Use (eds. C.J. Brandt and J.B. Thornes), pp.43-86. Wiley, London.

(keywords: climate change Mediterranean)

Parker, D.E., Wilson, H., Jones, P.D., Christy, J.R. and Folland, C.K., 1996

"The impact of Mt Pinatubo on climate on world-wide temperatures."

International Journal of Climatology 16, 487-497 (R)

(keywords: volcanoes climate change impacts global)

Parry, M.L., Carter, T.R. and Hulme, M., 1996

"What is a dangerous climate change?"

Global Environmental Change 6, 1-6

(keywords: climate change impacts)

Rao, P.G., Kelly, P.M. and Hulme, M., 1996

"Recent climatic change, greenhouse gas emissions and future climate: the implications for India."

Theoretical and Applied Climatology 55, 41-64 (R)

(keywords: climate change, greenhouse, energy)

Raper, S.C.B. and Cubasch, U., 1996

"Emulation of the results from a coupled general circulation model using a simple climate model."

Geophysical Research Letters 23(10), 1107-1110 (R)

(keywords: GCMS modelling global warming)

Raper, S.C.B., Briffa, K.R. and Wigley, T.M.L., 1996
“*Glacier change in northern Sweden from AD 500: a simple geometric model of Storglaciaren.*”
Journal of Glaciology 42, 341-352 (R)
(keywords: glaciers, reconstruction)

Raper, S.C.B., Wigley, T.M.L. and Warrick, R.A., 1996
“*Global sea-level rise: past and future.*”
In: Sea-Level Rise and Coastal Subsidence: Causes, Consequences and Strategies. pp.11-45 Kluwer Academic Publishers, Dordrecht. (R)
(keywords: sea level rise SLR historical forecasting impacts global methodology)

Ringius, L., Downing, T.E., Hulme, M. and Selrod, R., 1996
“*Climate Change in Africa - issues and regional strategy.*”
CICERO Report 1996:2, Oslo, Norway.
(keywords: climate change Africa impacts)

Ringius, L., Downing, T.E., Hulme, M. and Selrod, R., 1996
“*Climate Change in Africa - issues and regional strategy.*”
CICERO Report 1996:2, Oslo, Norway. (For reprints, please contact first author)
(keywords: climate change Africa impacts)

Salinger, M.J. and Jones, P.D., 1996
“*Southern Hemisphere climate: The Modern record.*”
Papers and Proceedings of the Royal Society of Tasmania 130(2), 101-107 (R)
(keywords: SH climate change observations datasets global warming)

Salinger, M.J. and Jones, P.D., 1996
“*Southern Hemisphere CLimate: The Modern Record.*”
Paper and Proceedings of the Royal Society of Tasmania 130 101-106

Santer, B.D., Taylor, K.E., Wigley, T.M.L., Johns, T.C., Jones, P.D., Karoly, D.J., Mitchell, J.F.B., Oort, A.H. and others., 1996
“*A search for human influences on the thermal structure of the atmosphere.*”
Nature 382, 39-46
(keywords: climate change detection atmosphere temperature)

Schuepbach, E., Davies, T.D., Massacand, A.C. and Wernli, H., 1996
“*A numerical simulation of stratospheric intrusion and an associated nordfoehr in the European Alps, and validation with observations.*”
Bulletin American Meteorological Society, 277-279
(keywords: modelling stratosphere statistics wind observations validation regional Europe)

Schuepbach, E., Davies, T.D., Toupance, G. and Volz-Thomas, A., 1996
“*The historical ozone record at Montsouris: Reporting new data, and the links with atmospheric circulations.*”
XVIII Quadrenn. Ozone Symposium, L'Aquila, Italy, 12-21 Sept., 1996, p.477
(keywords: historical records Europe data sets atmospheric circulation)

Schuepbach, E., Massacand, A.C., Wernli, H., Davies, T.D. and Davies, H.C., 1996
“*A numerical simulation of a stratospheric intrusion and an associated nordfoehn in the European Alps, and validation with observations.*”
Preprints Seventh Conference on Mesoscale Processes (American & British Meteorological Society), Sept. 9-13, 1996, Reading, U.K., pp.277-279
(keywords: modelling stratosphere Europe Alps observations methodology)

Schweingruber, F.H. and Briffa, K.R., 1996
“*Tree-ring density networks for climate reconstruction.*”
pp.44-66 in: Climatic Variations and Forcing Mechanisms of the Last 2000 Years (Eds. P.D. Jones, R.S. Bradley and J. Jouzel), NATO ASI Series Vol. 141. Springer-Verlag, Berlin, Heidelberg. (R)
(keywords: tree rings climate historical reconstruction datasets)

Shiyatov, S.G., Hantemirov, R.M., Schweingruber, F.H., Briffa, K.R. and Moell, M., 1996
“*Potential long-chronology development on the Northwest Siberian Plain: early results.*”
Dendrochronologia 14, 13-29 (R)
(keywords: dendro historical proxy climate change data Europe)

Smith, J. and Hulme, M., 1996
“*Climate change scenarios: appendix to Chapter 1.*”
(In) Handbook on Methods of Climate Change Impacts Assessment and Adaptation Strategies (Ed.,J. Feenstra). UNEP/IES, Amsterdam.
(keywords: climate change scenarios methodology impacts)

Tri, Nguyen Hoang., Adger, N., Kelly, M., Granich, S. and Ninh, Nguyen Huu., 1996
“*The role of natural resource management in mitigating climate impacts: Mangrove restoration in Vietnam.*”
CSERGE Working Paper GEC 96-06 (Centre for Social and Economic Research on the Global Environment), 27pp CSERGE,
School of Environmental Sciences, University of East Anglia, Norwich NR4 7TJ. (R)
(keywords: impacts climate change Vietnam)

United Kingdom Climate Change Impacts Review Group., 1996
“*Review of the Potential Effects of Climate Change in the United Kingdom. Second Report.*”
HMSO, London, 247pp
(keywords: impacts climate change forecasting UK Europe)

Wan Azli Wan Hassan, Chan Ah Kee, Holt, T. and Kelly, P.M., 1996
“*Modelling the impact of forest conversion on climate: a review.*”
In: Conservation, Management and Development of Forest Resources, pp.332-348
(keywords: modelling forestry impacts climate change methodology review)

Wardlaw, R.B., Hulme, M. and Stuck, A.Y., 1996
“*Modelling the impacts of climatic change on water resources.*”
J. Chartered Inst. Water and Env. Management 10, 355-364 (R)
(keywords: GCMs modelling impacts climate change hydrology)

Wilby, R.L., Conway, D. and Jones, P.D., 1996
“*GCM Downscaling using air flow indices.*”
Paper to appear in Proc. of Water Resources and Environmental Research: Towards the 21st Century, Kyoto, Japan.
(keywords: GCMs air flow methodology)

1995

Agnew, M.D. and Thornes, J.E., 1995
“*The Weather Sensitivity of the UK Food Retail and Distribution Industry.*”
Meteorological Applications 2, 137-147
(keywords: climate change impacts UK Europe retailing distribution)

Airey, M. and Hulme, M., 1995
“*Validating precipitation simulations by climate models: problems, methods and applications.*”
Prog. in Phys. Geography 19, 447-468
(keywords: precipitation validation modelling GCMs methodology)

Barrow, E.M. and Semenov, M.A., 1995
“*Climate change scenarios with high spatial and temporal resolution for agricultural applications.*”
Forestry 68(4), 349-360 (R)
(keywords: climate change scenarios agriculture methodology)

Bradley, R.S. and Jones, P.D., 1995
“*Recent developments in studies of climate since A.S. 1500.*”
Climate Since A.D. 1500 2nd Edition (Eds. R.S. Bradley and P.D. Jones) pp 666-679 Routledge, London

Briffa, K.R., 1995
“*Interpreting High-Resolution Proxy Climate Data - The Example of Dendroclimatology.*”
In: Analysis of Climate Variability: Applications of Statistical Techniques (Eds. H. von Storch and A. Navarra), pp.77-94
Springer, Berlin. (R)
(keywords: dendro data)

Briffa, K.R., 1995
“*The Simulation of Weather Types in GCMs: A Regional Approach to Control-Run Validation.*”
In: Analysis of climate variability: Applications of Statistical Techniques (Eds. H. von Storch and A. Navarra), pp.121-138
Springer, Berlin. (R)
(keywords: GCMs weather types)

Briffa, K.R., 1995
“*Statistical aspects of the interpretation of high-resolution proxy climate data: the example of dendroclimatology.*”
(In) Analysis of Climate Variability: Applications of Statistical Techniques (H. von Storch and A. Navarra, Eds.), pp.77-94
Springer, Berlin.
(keywords: statistics climate change methodology dendro)

Briffa, K.R., Jones, P.D., Schweingruber, F.H., Karlen, W., Bartholin, T., Shiyatov, S., Vaganov, E.A. and Zetterberg, P., 1995
“*Regional temperature patterns across Northern Eurasia: tree-ring reconstructions over centuries and millennia.*”
In: Proceedings International Conference on Past, Present and Future Climate, SILMU conference Helsinki, August 22-25 1995
(Ed. P. Heikinheimo), pp.115-118 Academy of Finland (R)
(keywords: tree rings reconstruction)

Briffa, K.R., Jones, P.D., Schweingruber, F.H., Shiyatov, S.G. and Cook, E.R., 1995
“*Unusual twentieth-century summer warmth in a 1,000-year temperature record from Siberia.*”
Nature 376, 156-159 (R)
(keywords: tree rings temperature global warming proxy Europe req)

Briffa, K.R., Wigley, T.M.L., Davies, T.D., Landsberger, S., Schweingruber, F.H. and Johansson, S., 1995
“*A tree-ring-based study of Sitka spruce growth in Afan Forest, South Wales: ring-width, wood density and chemical analysis.*”
Chapter 9 in: Decline in Sitka Spruce on the South Wales Coalfield (Ed. M.P. Coutts), pp.75-94 Forestry Commission Technical Paper 9, Forestry Commission, Farnham, Surrey. (R)
(keywords: tree rings UK chemistry proxy climate change chemistry)

Cook, E.R., Briffa, K.R., Meko, D.M., Graybill, D.A. and Funkhouser, G., 1995
“*The 'segment length curse' in long tree-ring chronology development for palaeoclimatic studies.*”
The Holocene 5, 229-237 (R)
(keywords: chronologies palaeo tree rings)

Davies, T.D., 1995
“*Change for the better.*”
Nature 378(6554), p.320
(keywords: climate change)

Davies, T.D., Palutikof, J.P., Guo, X., Berkofsky, L. and Halliday, J.A., 1995
“*Development and testing of a two-dimensional downslope wind model.*”
Boundary Layer Meteorology 73, 279-297
(keywords: modelling wind energy speed synoptic methodology)

Dorling, S.R. and Davies, T.D., 1995
“*Precipitation chemistry monitoring at the Burren and Capard.*”
Final Report to the Electricity Supply Board, Dublin, 105pp University of East Anglia.
(keywords: precipitation chemistry methodology observations)

Dorling, S.R. and Davies, T.D., 1995
“*Extending cluster analysis - synoptic meteorology links to characterise chemical climates at six north-west European monitoring stations.*”
Atmospheric Environment 29(2), 145-167
(keywords: cluster analysis statistics methodology synoptic meteorology chemistry climate change Europe observations)

Dukes, M.D.G. and Palutikof, J.P., 1995
“*Estimation of extreme wind speeds with very long return periods.*”
Journal of Applied Meteorology 34, 1950-1961 (R)
(keywords: wind energy methodology historical)

Eshleman, K.N., Davies, T.D., Tranter, M. and Wigington, P.J., 1995
“*A two-component mixing model for predicting regional episodic acidification of surface waters during spring snowmelt periods.*”
Water Resources Res. 31, 1011-1021
(keywords: modelling acid rain regional hydrology snow methodology)

Evans, C., Davies, T.D., Wigington, P.J.Jr., 1995
“*Assessing the contribution of individual dissolved ions to depressions in acid neutralising capacity (ANC) in streams in the northeast USA.*”
Water, Air and Soil Pollution 85, 425-432
(keywords: chemistry acid rain pollution impacts USA methodology)

Goodess, C.M., 1995
“*Review of Global Changes in the Perspective of the Past (eds. J.A. Eddy and H. Oeschger).*”
International Journal of Climatology 15, 587-588
(keywords: review global climate change warming historical methodology)

Goodess, C.M., 1995
“*Review of Dictionary of Global Climate Change (ed. W.J. Maunder).*”
Weather 50, 353-354
(keywords: review dictionary reference global climate change)

Halliday, J., Anderson, M., Palutikof, J., Watson, S., Dunbabin, P., Bunn, J., Dukes, M. and Surgey, I., 1995

“Assessment of the Accuracy of the DTI's Database of UK Wind Speeds.”

Energy Technology Support Unit, Harwell, ETSU W/11/00401/REP. 171pp + appendices.

(keywords: wind speed energy UK validation)

Hulme, M., 1995

“Estimating global changes in precipitation.”

Weather 50(2), 34-42 (R)

(keywords: global precipitation methodology rainfall statistics forecasting)

Hulme, M. and Viner, D., 1995

“A climate change scenario for assessing the impact of climate change on tropical rain forests.”

CRU/WWF(US) Report, 34pp Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: climate change scenarios impacts tropics forests dendro)

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.”

International Journal of Climatology 15, 1333-1363

(keywords: climatology Europe climate change modelling impacts historical)

Hulme, M., Conway, D., Jones, P.D., Jiang, T., Barrow, E.M. and Turney, C., 1995

“Construction of a 1961-90 European climatology for climate change modelling and impact applications.”

International Journal of Climatology 15, 1333-1363 (R)

(keywords: climate change modelling impacts methodology)

Hulme, M., Conway, D., Jones, P.D., Jiang, T., Zhou, X., Barrow, E.M. and Turney, C., 1995

“A 1961-90 Gridded Surface Climatology for Europe.”

A Report accompanying the dataset available through the Climate Impacts LINK Project, Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: climatology Europe historical)

Hulme, M., Conway, D., Kelly, P.M., Subak, S. and Downing, T.E., 1995

“The Impacts of Climate Change on Africa.”

46pp SEI, Stockholm, Sweden.

(keywords: climate change impacts Africa)

Hulme, M., Conway, D., Kelly, P.M., Subak, S. and Downing, T.E., 1995

“The impacts of climate change on Africa.”

CSERGE Working Paper CEG 95-04, 60pp University of East Anglia, Norwich, UK.

(keywords: climate change impacts Africa)

Hulme, M., Conway, D., Kelly, P.M., Subak, S. and Downing, T.E., 1995

“The Impacts of Climate Change on Africa.”

CSERGE Working Paper GEC 95-04. University of East Anglia, Norwich, 60pp.

(keywords: climate change Africa impacts)

Hulme, M., Jiang, T. and Wigley, T.M.L., 1995

“SCENGEN: A Climate Change Scenario Generator.”

Climatic Research Unit, University of East Anglia, Norwich, UK. 38pp

(keywords: climate change scenarios modelling)

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(4/5), 347-355 (R)

(keywords: climate change modelling GCMs methodology political)

Jones, J., Davies, T.D., Dorling, S., Viner, D., 1995

“Modelling environmental variables from the output of General Circulation Models.”

Water, Air and Soil Pollution 85, 1569-1574

(keywords: modelling GCMs statistics methodology)

Jones, P.D., 1995

“Recent variations in mean temperature and the diurnal temperature range in the Antarctic.”

Geophysical Research Letters 22(11), 1345-1348 (R)

(keywords: temperature diurnal Antarctic climate change global)

Jones, P.D., 1995

“Maximum and minimum temperature trends in Ireland, Italy, Thailand, Turkey and Bangladesh.”

Atmospheric Research 37, 67-78 (R)

(keywords: temperature Ireland Italy Thailand Turkey Bangladesh maximum minimum trends historical)

Jones, P.D., 1995

"Land surface temperatures - is the network good enough?"

Climatic Change 31, 545-558 (R)

(keywords: temperatures methodology land global warming)

Jones, P.D., 1995

"The instrumental data record: its accuracy and use in attempts to identify the 'CO2 signal'."

In, Analysis of Climate Variability: Applications of Statistical Techniques (Eds. H. von Storch and A. Navara) 53-75 Springer-Verlag

Jones, P.D., 1995

"Global surface temperature changes since the 1850s."

In, Environmental Studies - Mathematical, Computational and Statistical Analysis (Eds. M.S. Wheeler et al.) 223-238 Springer-Verlag

Jones, P.D. and Briffa, K.R., 1995

"Growing season temperatures over the former Soviet Union."

International Journal of Climatology 15, 943-959 (R)

(keywords: agriculture Soviet Union Europe temperature)

Jones, P.D. and Briffa, K.R., 1995

"Decadal-to-century timescale variability of regional and hemispheric-scale temperatures."

(In) The Natural Variability of the Climate System on 10-100 Year Timescales (W.A. Sprigg, Ed.). National Academy of Sciences, Irvine, California.

(keywords: temperature regional global hemispheric historical)

Jones, P.D. and Conway, D., 1995

"The use of weather types for GCM downscaling."

Proceedings of the Sixth International Meeting on Statistical Climatology, Galway, Ireland, 193-196

(keywords: LWTs GCMs methodology)

Jones, P.D. and Lister, D.H., 1995

"Extended flow records at key locations in England and Wales (Phase 1)"

Report to the National Rivers Authority under Project No. 515/2/N & Y 82pp

Jones, P.D., 1995

"Observations from the surface: projection from traditional meteorological observations."

In: World Survey of Climatology. Volume 16, Future climates of the world: a modelling perspective (Ed. A. Henderson-Sellers), pp.151-189 World Survey of Climatology Volume 16, Elsevier, Amsterdam. (R)

(keywords: climate modelling)

Jones, P.D., Briffa, K.R. and Schweingruber, F.H., 1995

"Tree-ring evidence of the widespread effects of explosive volcanic eruptions."

Geophysical Research Letters 22(11), 1333-1336 (R)

(keywords: tree rings impacts volcanoes global req)

Kelly, M. and Granich, S., 1995

"Global warming and development."

pp.69-107 in People and Environment (Eds. S. Morse and M. Stocking), 215pp UCL Press, London. (R)

(keywords: global warming development political economic social)

Kelly, P.M. and Holt, T., 1995

"Hurricane Risk on the Gulf and Atlantic Coasts of the United States: An Update."

Report produced for Harvey Bowring and Others, London.

(keywords: hurricanes USA coastal risk assessment)

Kington, J.A., 1995

"The severe winter of 1694-95."

Weather 50, 160-163

(keywords: weather historical records temperature)

Kington, J.A., 1995

"The EURO-CLIMHIST project: European cooperation in historical climatology."

Climate Monitor 21, 101-103 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.

(keywords: Europe historical climate change)

Kington, J.A., 1995
“*Water, climate and history.*”
Water 3, p.7, p.10
(keywords: climate change historical hydrology precipitation)

Lamb, H.H., 1995
“*Climate, History and the Modern World. (2nd Edition).*”
433pp Routledge, 11 New Fetter Lane, London EC4P 4EE.
(keywords: climate change historical impacts)

Ogilvie, A.E.J., 1995
“*Fisheries, climate and sea ice in Iceland: an historical perspective.*”
Paper presented to a conference held at Memorial University, St. John's, Newfoundland, Canada, entitled 'Marine Resources & Human Societies in the North Atlantic Since 1500'. (R)
(keywords: climate oceans sea ice Iceland historical)

Ojwang, J.B., Hulme, M., Conway, D., Kelly, P.M., Subak, S. and Downing, T.E., 1995
“*Greenhouse gas emissions and their impacts.*”
pp.49-84 in: A Climate for Development: Climate Change Policy Options for Africa (Eds. H.W.O. Okoth-Ogendo and J.B. Ojwang), 264pp ACTS Press/SEI, Nairobi, Kenya.
(keywords: global warming CO2 greenhouse gas impacts)

Okoth-Ogendo, H.W.O., Ogallo, L., Hulme, M., Conway, D., Kelly, P.M., Subak, S. and Downing, T.E., 1995
“*Global climate change and the environment.*”
pp.11-46 in: A Climate for Development: Climate Change Policy Options for Africa (Eds. H.W.O. Okoth-Ogendo and J.B. Ojwang), 264pp ACTS Press/SEI, Nairobi, Kenya.
(keywords: global climate change impacts Africa)

Osborn, T.J., 1995
“*Internally-generated variability in some ocean models on decadal to millennial timescales.*”
PhD Thesis, University of East Anglia, 650pp
(keywords: modelling GCMs oceans methodology)

Palutikof, J.P., Winkler, J.A., Andresen, J.A. and Goodess, C.M., 1995
“*Downscaling daily temperature data from GCMs: an example from the Mediterranean basin.*”
In: Preprints, Sixth International Meeting on Statistical Climatology, Galway, 19-23 June, 1995, 203-206.
(keywords: temperature GCMs methodology regional Europe modelling Mediterranean)

Palutikof, J.P., Winkler, J.A., Goodess, C.M. and Andresen, J.A., 1995
“*The simulation of daily temperature time series from GCM output. Part 1: comparison of model data with observations.*”
In: Preprints, Sixth Symposium on Global Change Studies, American Meteorological Society, Dallas, January 1995, 45-48
(keywords: temperature GCMs methodology)

Pomeroy, J.W., Marsh, P., Jones, H.G. and Davies, T.D., 1995
“*Spatial distribution of snow chemical load at the tundra-taiga transition.*”
In: Biogeochemistry of seasonally snow-covered catchments. IAHS Publ. 228.
(keywords: snow chemistry methodology)

Pryor, S.C., Davies, T.D., Hoffer, T.E., Richman, M.B., 1995
“*The influence of synoptic scale meteorology on transport of urban air to remote locations in the southwestern USA.*”
Atmos. Environment 29, 1609-1618
(keywords: synoptic meteorology chemistry air atmosphere regional USA)

Rao, P.G., Kelly, P.M. and Hulme, M., 1995
“*Economic growth while protecting the environment: some issues relevant to the Indian energy sector.*”
CSERGE Working Paper GEC 95-34. University of East Anglia, Norwich, 65pp.
(keywords: economic impacts environment energy India)

Raper, S.C.B., Briffa, K.R. and Wigley, T.M.L., 1995
“*Glacier change in northern Sweden from A.D. 500: a temperature-dependent model of Storglaciaren.*”
Journal of Glaciology,
(keywords: glaciology modelling temperature Europe)

Salinger, M.J., Basher, R.E., Fitzharris, B.B., Hay, J.E., Jones, P.D., MacVeigh, J.P. and Schmidely-Leleu, I., 1995
“*Climate trends in the south-west Pacific.*”
International Journal of Climatology 15, 285-302 (R)
(keywords: climate change Pacific statistics)

- Santer, B.D., Jones, P.D., Taylor, K.E., Wigley, T.M.L., Penner, J.E. and Cubasch, U., 1995
"Detecting and attributing an anthropogenic influence on climate."
 In, Proceedings of the Sixth International Meeting on Statistical Climatology (Ed. I.G. O'Muircheartaigh), Galway, Ireland 1-4
- Santer, B.D., Taylor, K.E., Wigley, T.M.L., Jones, P.D. and others, 1995
"A search for human influences on the thermal structure of the atmosphere."
 PCMDI Report no. 27 26pp
- Santer, B.D., Taylor, K.E., Wigley, T.M.L., Penner, J.E., Jones, P.D. and Cubasch, U., 1995
"Towards the detection and attribution of an anthropogenic effect on climate."
 Climate Dynamics 12, 77-100
 (keywords: detection CO2 global warming greenhouse methodology climate change)
- Santer, B.D., Taylor, K.E., Wigley, T.M.L., Penner, J.E., Jones, P.D. and Cubasch, U., 1995
"Are Sulphate Aerosols Masking and Greenhouse Warming Signal?"
 Proceedings of the Nineteenth Climate Diagnostics Workshop (Ed. D.R. Rodenhuis) 49-52 U.S. Dept. of Energy, NOAA.
- Santer, B.D., Taylor, K.E., Wigley, T.M.L., Penner, J.E., Jones, P.D. and Cubasch, U., 1995
"Towards the detection and attribution of an anthropogenic effect on climate."
 PCMDI Report No. 21 78pp Lawrence Livermore National Laboratory, Livermore, California
- Schweingruber, F.H. and Briffa, K.R., 1995
"X-ray densitometry as a tool for reconstructing Northern Hemisphere summer temperatures."
 Proc. Int. Workshop on Asian and Pacific Dendrochronology, March 1995, Tsukuba, Japan.
 (keywords: proceedings)
- Schweingruber, F.H. and Briffa, K.R., 1995
"X-ray Densitometry as a tool for Reconstructing Northern Hemisphere Summer Temperatures."
 In: Proceedings of the International Workshop on Asian and Pacific Dendrochronology (Eds. S. Ohta, T. Fujii, N. Okada, M.K. Hughes and D. Eckstein) pp.267-272 Tsukuba and Okutama, Japan. (R)
 (keywords: reconstruction temperature dendro)
- Schweingruber, F.H., Naurzbaev, M.M., Briffa, K.R. and Loosli, H.H., 1995
"The dendroclimatological potential of Holocene wood from the polar tree limit in Taimyr, Russia."
 Journal of IAWA (in press)
- Shiyatov, S.G., Hantemirov, R.M., Schweingruber, F.H., Briffa, K.R. and Loosli, H.H., 1995
"The potential for developing long-term tree-ring chronologies on the northwestern Siberian plain."
 (manuscript in preparation)
- Srinivasan, G., Hulme, M. and Jones, C.G., 1995
"An evaluation of the spatial and interannual variability of tropical precipitation as simulated by GCMs."
 Geophysical Research Letters 22(13), 1697-1700 (R)
 (keywords: precipitation variability tropics GCMs modelling monsoons)
- Srinivasan, G., Hulme, M., Jones, C.G., Jones, P.D. and Osborn, T.J., 1995
"An evaluation of the spatial and interannual variability of tropical precipitation as simulated by GCMs."
 In Proc. 1st International AMIP Scientific Conference (W.L. Gates, Ed.), pp.193-198 WCRP no. 92.
 (keywords: precipitation GCMs modelling climate change tropics)
- Viner, D., Hulme, M. and Raper, S.C.B., 1995
"Climate change scenarios for the assessment of climate change on regional ecosystems."
 Journal of Thermal Biology 20, 175-190
 (keywords: climate change scenarios regional impacts)
- Wigley, T.M.L. and Raper, S.C.B., 1995
"An heuristic model for sea level rise due to the melting of small glaciers."
 Geophysical Research Letters 22(20), 2749-2752 (R)
 (keywords: modelling sea level glaciology global warming)
- Winkler, J.A., Palutikof, J.P., Andresen, J.A. and Goodess, C.M., 1995
"The simulation of daily time series from GCM output. Part II: Development of local scenarios for maximum and minimum temperature using statistical transfer functions."
 In: Preprints, Sixth Symposium on Global Change Studies, American Meteorological Society, Dallas, January 1995, 93-98
 (keywords: temperature time series GCMs scenarios statistics methodology)

Zetterberg, P., Eronen, M. and Briffa, K.R., 1995
“Evidence on climatic variability and prehistoric human activities between 165 B.C. and A.D. 1400 derived from subfossil Scots pines (*Pinus sylvestris* L.) found in a lake in Utsjoki, northernmost Finland.”
Bull. Geol. Soc. Finland 66, Part 2, 107-124 (R)
(keywords: climate change social human historical dendro tree rings Europe Finland)

Zetterberg, P., Eronen, M. and Briffa, K.R., 1995
“Subfossil forest limit pines from northern Finland: evidence on climatic variability, growth variations and prehistoric human activities between 165 B.C. and A.D. 1400.”
Proc. International Workshop on Asian and Pacific Dendrochronology, March 1995, Tsukuba, Japan. (in press)

Zetterberg, P., Eronen, M. and Briffa, K.R., 1995
“A 7500-year pine tree-ring record from Finnish Lapland and its applications to palaeoclimatic studies.”
In: International Conference on Past, Present and Future Climate, Proc. SILMU conference Helsinki, August 22-25 1995 (Ed. P. Heikinheimo), pp.151-154 Academy of Finland (R)
(keywords: tree ring palaeo)

1994

Barrow, E.M. and Hulme, M., 1994
“SPECTRE Software User Manual.”
Prepared under contract to the Ministry of Agriculture, Fisheries and Food Environmental Protection (EP) Division under the Climate Change and Agriculture Programme Contract No. CSA 2494. Climatic Research Unit, University of East Anglia, Norwich, UK.
(keywords: modelling climate change)

Barrow, E.M., Hulme, M. and Jiang, T., 1994
“Future Changes in Transient Climate and Climatic Extremes in the UK: Implications for Agriculture.”
Final Report prepared for MAFF Environmental Division under the Climate Change and Agriculture Programme Contract CSA 1973, 63pp Climatic Research Unit, University of East Anglia, Norwich, UK.
(keywords: climate change UK impacts agriculture disasters)

Briffa, K.R., 1994
“Mid and late Holocene climate change: evidence from tree growth in northern Fennoscandia.”
In: Palaeoclimate of the Last Glacial/Interglacial Cycle (Eds. B.M. Funnell and R.L.F. Kay), pp.61-65 NERC Earth Sciences Directorate. (R)
(keywords: historical dendro climate change Europe Fennoscandia tree rings reconstructions req)

Briffa, K.R., 1994
“Tree-ring evidence of northern Fennoscandian summer temperatures during the Maunder Minimum period.”
In: Climatic Trends and Anomalies in Europe 1675-1715 (Ed. B. Frenzel), pp.23-32 European Science Foundation, Strasbourg. (R)
(keywords: tree rings dendro Fennoscandia Europe temperatures historical req reconstructions)

Briffa, K.R., 1994
“Grasping at shadows? A selective review of the search for sunspot-related variability in tree rings.”
pp.417-435 in: The Solar Engine and its Influence on Terrestrial Atmosphere and Climate (Ed. E. Nesme-Ribes). NATO ASI Series Vol. I 25. Springer-Verlag. (R)
(keywords: tree rings dendro solar)

Briffa, K.R. and Jones, P.D., 1994
“Summer temperatures across northern North America: Regional reconstructions from 1760 using tree-ring densities.”
Journal of Geophysical Research 99(D12), 25,835-25,844 (R)
(keywords: temperature USA NH regional reconstruction tree rings dendro historical req)

Briffa, K.R., Jones, P.D. and Hulme, M., 1994
“Summer moisture variability across Europe 1892-1991: An analysis based on the Palmer drought severity index.”
International Journal of Climatology 14, 475-506 (R)
(keywords: moisture variability drought Europe historical statistics)

Brown, G.H., Tranter, M., Sharp, M.J., Davies, T.D. and Tsiouris, S., 1994
“Dissolved oxygen variations in Alpine glacial meltwaters.”
Earth Surface Processes and Landforms 19, 247-253
(keywords: oxygen glaciology chemistry hydrology regional)

Cook, E.R., Briffa, K.R. and Jones, P.D., 1994

"Spatial regression methods in dendroclimatology: A review and comparison of two techniques."

International Journal of Climatology 14, 379-402 (R)

(keywords: dendroclimatology statistics tree rings methodology)

Davies, T.D., 1994

"Acid Deposition: Distribution and Trends"

In: Climatic Change, Acidification and Ozone Changes (Eds. K.M. Clayton and S. Austin), pp.35-49 A Report for the Countryside Commission, Univ. East Anglia, Norwich.

(keywords: acid rain spatial statistics global deposition pollution)

Davies, T.D., 1994

"Snow cover-atmosphere interactions."

In: Snow and Ice Covers; Interactions with the Atmosphere and Ecosystem (Eds. H.G. Jones, T.D. Davies, A. Ohmura and E.M. Morris), pp.3-13 International Association of Hydrological Sciences, Publ. No. 223, Wallingford, U.K.

(keywords: snow atmosphere)

Davies, T.D., 1994

"The effects of global warming."

In: Nuclear Energy in the Twenty-First Century. Proc. Int. Conf., 14/15 April 1994, Bath, U.K. 13pp British Nuclear Energy Society & IBC Technical Services Ltd., 57-61 Mortimer Street, London.

(keywords: global warming impacts pollution scenarios)

Davies, T.D. and Schuepbach, E., 1994

"Episodes of high ozone concentrations at the Earth's surface resulting from transport down from the upper troposphere/lower stratosphere."

Atmos. Environ. 28(1), 53-68

(keywords: ozone pollution impacts troposphere stratosphere atmosphere)

Davies, T.D., Palutikof, J.P. and Berkofsky, L., 1994

"Development and testing of a downslope wind model-incorporation into a wind turbine predictive scheme."

Report to EPSRC, GR/H 19125, 30pp Climatic Research Unit, UEA, Norwich.

(keywords: wind modelling speed energy turbine forecasting prediction)

Dickson, R.R., Briffa, K.R. and Osborn, T.J., 1994

"Cod and climate: the spatial and temporal context."

ICES marine science symposium 198, 280-286

(keywords: fishing climate change)

Dorling, S.R. and Davies, T.D., 1994

"Linking cluster analysis with synoptic meteorology to characterise chemical climates at six north-west European monitoring stations."

In: Eighth Joint Conference on the Applications of Air Pollution Meteorology, pp.119-126 Americal Meteorological Society, Nashville, TN.

(keywords: cluster statistics synoptic meteorology chemistry climate change Europe)

Duplessy, J.C., Bradley, R.S. and Briffa, K.R., 1994

"Panel Discussion on Paleoclimatic Data."

In: The Solar Engine and its Influence on Terrestrial Atmosphere and Climate (Ed. Elizabeth Nesme-Ribes), pp.465-478 NATO ASI Series, Vol. I25, Springer-Verlag, Berlin, Heidelberg. (R)

(keywords: solar palaeo)

Goodess, C.M., 1994

"Investigation of future changes in the occurrence of high-rainfall events in SE Spain."

Annales Geophysicae 12(II), Part II, 366

(keywords: forecasting precipitation Spain impacts methodology)

Goodess, C.M., 1994

"Review of Paleoclimatology by T.J. Crowley and G.R. North."

International Journal of Climatology 14, 114-115

(keywords: palaeo paleo review)

Goodess, C.M. and Palutikof, J.P., 1994

"Regional scenarios of climate change: changes in the precipitation regime of the Guadalentin Basin."

MEDALUS Working Paper Number 33, 10pp

(keywords: regional scenarios climate change precipitation Spain Europe)

Guo, X., Davies, T.D., Palutikof, J.P., Berkofsky, L. and Halliday, J., 1994

"Developing and testing of downslope wind models: incorporation into wind turbine site prediction schemes."

Report to the SERC, GR/G 26884, 138pp CRU, UEA.
(keywords: wind modelling turbine prediction forecasting energy speed)

Hegerl, G.C., von Storch, H., Hasselmann, K., Santer, B.D., Cubasch, U. and Jones, P.D., 1994
“*Detecting anthropogenic climate change with an optimal fingerprint method.*”
MPI Report No. 142 59pp Max-Planck-Institut für Meteorologie, Hamburg, Germany

Hulme, M., 1994
“*Validation of large-scale precipitation fields in General Circulation Models.*”
pp.387-405 in: Global Precipitation and Climate Change (Eds. M. Desbois and F. Desalmand), 466pp NATO ASI Series, Vol. I 26,
Springer-Verlag, Berlin, Heidelberg. (R)
(keywords: methodology precipitation global GCMs statistics)

Hulme, M., 1994
“*Climatic information for managing drought.*”
Development Research Insights 12, 1-2
(keywords: climate change drought desertification disasters management)

Hulme, M., 1994
“*Global climate change and the Nile Basin.*”
pp.139-162 in: The Nile: Sharing a Scarce Resource (Eds. P.P. Howell and J.A. Allan). 408pp. Cambridge University Press.
(keywords: climate change global hydrology Egypt book drought)

Hulme, M., 1994
“*Global climate seasonality, variability and change.*”
pp.50-63 in: Atlas of World Development (Ed. P.T.H. Unwin), 346pp J. Wiley & Sons, Chichester.
(keywords: climate change global)

Hulme, M., 1994
“*Century-scale time series of regional rainfall anomalies for Africa.*”
pp.964-973 in: Trends '93: A Compendium of Data on Global Change (Eds. T.A. Boden, D.P. Kaiser, R.J. Sepanski and F.W. Stoss), ORNL/CDIAC-65, 984pp Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, U.S.A.
(keywords: precipitation Africa)

Hulme, M., 1994
“*Global warming and the implications for Asia and the Pacific.*”
pp.39-46 in: The Far East and Australasia, 1995 (26th Edition), 1142pp. Europa Publications, London.
(keywords: global warming Asia Pacific oceans impacts)

Hulme, M., 1994
“*Book review of 'Climate of China' by J. Zhang and Z. Lin.*”
International Journal of Climatology 14, p.116
(keywords: climate change China)

Hulme, M., 1994
“*Book review of 'The Global Greenhouse Regime: Who Pays?' by P. Hayes and K. Smith (Eds.).*”
Futures 26, 878-879
(keywords: global warming greenhouse gases impacts economic)

Hulme, M. and Jones, P.D., 1994
“*Global climate change in the instrumental period.*”
Environmental Pollution 83, 23-36 (R)
(keywords: climate change historical observations global)

Hulme, M. and Zhao, Z., 1994
“*Century-scale series of annual and seasonal precipitation anomalies for East Asia.*”
pp.911-917 in: Trends '93: A Compendium of Data on Global Change (Eds. T.A. Boden, D.P. Kaiser, R.J. Sepanski and F.W. Stoss). ORNL/CDIAC-65 Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee.
(keywords: precipitation Asia historical)

Hulme, M., 1994
“*Regional climate change scenarios based on IPCC emissions projections with some illustrations for Africa.*”
Area 26(1), 33-44 (R)
(keywords: Africa Scenarios IPCC)

Hulme, M., 1994
“*The cost of climate data - a European experience.*”

Weather 49, 168-175 (R)

(keywords: climate datasets Europe commercialisation)

Hulme, M., 1994

“Using climate information in Africa: Some examples related to drought, rainfall forecasting and global warming.”

IDS Bulletin 25, 59-68 (R)

(keywords: drought Africa desertification global warming agriculture economic social)

Hulme, M., 1994

“Global Warming.”

Progress in Physical Geography 18, 401-410 (R)

(keywords: global warming climate change CO2)

Hulme, M., Conway, D., Brown, O. and Barrow, E., 1994

“Climate Change Scenarios for Great Britain and Europe.”

Climatic Research Unit Report the 'Landscape Dynamics and Climate Change' TIGER IV3.a Consortium.

(keywords: climate change scenarios UK Europe)

Hulme, M., Conway, D., Brown, O. and Barrow, E.M., 1994

“A 1961-90 baseline climatology and future climate change scenarios for Great Britain and Europe: Part III, Climate change scenarios for Great Britain and Europe.”

A Report prepared for the TIGER IV3.a Consortium, 'Landscape Dynamics and Climate Change', 29pp Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: climate change scenarios UK Europe database climatology)

Hulme, M., Raper, S.C.B. and Wigley, T.M.L., 1994

“An integrated framework to address climate change (ESCAPE) and further developments of the global and regional climate modules (MAGICC).”

pp.289-308 in: Integrative Assessment of Mitigation, Impacts and Adaptation to Climate Change (Eds. N. Nakicenovic, W.D. Nordhaus, R. Richels and F. Toth). 669pp. IIASA Collaborative Paper Series CP-94-9, Laxenburg, Austria.

(keywords: climate change GCMS modelling ESCAPE MAGICC)

Hulme, M., Zhao, Z-C. and Jiang, T., 1994

“Recent and future climate change in East Asia.”

International Journal of Climatology 14, 637-658

(keywords: Asia climate change historical projections forecasting)

Hulme, M., Zong-Ci, Z., Tao, J., 1994

“Recent and future climate change in East Asia.”

International Journal of Climatology, 14, 637-658 (R)

(keywords: climate change Asia forecasting)

Jones, H.G., Davies, T.D., Ohmura, A. and Morris, E.M., 1994

“Snow and Ice Covers; Interactions with the Atmosphere and Ecosystems.”

International Association of Hydrological Sciences, publ. no. 223, Wallingford, U.K. 340pp

(keywords: snow ice atmosphere climate change ecology)

Jones, P.D., 1994

“Recent warming in global temperature series.”

Geophysical Research Letters 21, 1149-1152 (R)

(keywords: global warming temperature statistics climate change)

Jones, P.D., 1994

“Hemispheric surface air temperature variations: a reanalysis and an update to 1993.”

Journal of Climate 7(11), 1794-1802 (R)

(keywords: NH SH air temperature historical)

Jones, P.D., 1994

“Maximum and minimum temperature trends in Ireland, Italy, Thailand, Turkey and Bangladesh.”

In, Asymmetric change of daily temperature range, Proceedings of the International Minimax-workshop (Eds. G. Kukla, T.R. Karl and M.R. Riches) 113-126 U.S. Dept. of Energy Conference Series CONF-9309350

Jones, P.D., 1994

“Towards the detection of the enhanced greenhouse gas effect.”

In, Climatic Variations in Europe (Ed. R. Heino) 69-70 Silmu, Helsinki, Finland

Jones, P.D., 1994

"Decadal-to-century timescale variability of regional and hemispheric scale temperature."

In, Climate Variations in Europe (Ed. R. Heino) 136-140 Silmu, Helsinki, Finland

Jones, P.D., 1994

"Decadal-to-century timescale variability of regional and hemispheric scale temperatures."

In, Global Climate Change: Science, Policy and Mitigation Strategies (Eds. C.V. Mathai and G. Stensland) 98-101 Air and Waste Management Association, Pittsburgh

Jones, P.D. and Kelly, P.M., 1994

"The effect of large explosive volcanic eruptions on surface air temperature."

pp.125-134 in: Large Explosive Eruptions. Atti dei Convegni Lincei 112, Accademia Nazionale dei Lincei, Rome.

(keywords: volcanoes surface air temperature impacts)

Jones, P.D., Wigley, T.M.L and Briffa, K.R., 1994

"Global and hemispheric temperature anomalies - land and marine instrumental records."

In, Trends '93: A Compendium of Data on Global Change (Eds. T.A. Boden, D.P. Kaiser, R.J. Sepanski and F.W. Stoss) 603-608 U.S. Dept. of Energy, ORNL/CDIAC-65

Jones, P.D., Wigley, T.M.L. and Gregory, J.M., 1994

"England and Wales area-average precipitation amount."

In, Trends '93: A Compendium of Data on Global Change (Eds. T.A. Boden, D.P. Kaiser, R.J. Sepanski and F.W. Stoss) 975-983 U.S. Dept. of Energy, ORNL/CDIAC-65

Kelly, P.M., Granich, S.L.V. and Secrett, C.M., 1994

"Global warming: responding to an uncertain future."

Asia Pacific Journal on Environment and Development 1(1), 28-45 (R)

(keywords: global warming impacts greenhouse effect)

Kelly, P.M., Jones, P.D., Diaz, H.F. and Wigley, T.M.L., 1994

"Recent global warmth moderated by the effects of the Mount Pinatubo eruption."

pp.5-8 in: Proc. 18th Annual Climate Diagnostics Workshop, held in Boulder, Colorado, November 1-5, 1993. U.S. Dept. of Commerce/NOAA, U.S.A. (R)

(keywords: global warming volcanoes)

Kington, J.A., 1994

"The value of historical weather data from Bohemia in reconstructing circulation patterns of the late eighteenth century over Europe."

In: Contemporary Climatology - Proceedings of the Meeting of the Commission on Climatology of the International Geographical Union (Eds. R. Brazdil and M. Kolar), pp.306-313 IGU/Masaryk University, Brno.

(keywords: historical Bohemia reconstructions circulation Europe)

Kington, J.A., 1994

"Eighteenth-century weather types."

Weather 49 (letter to Editor), p.109

(keywords: weather historical methodology)

Kington, J.A., 1994

"More Frost and Snow: The Diary of Janet Burnet, 1758-1795."

Review in: Weather 49, 293-294

(keywords: frost historical records)

Kington, J.A., 1994

"The severe winter of 1794-95 in England."

Weather 49, 419-420

(keywords: winter weather temperature historical UK)

Kington, J.A., 1994

"Synoptic weather mapping, 1675-1715."

In: Climatic Trends and Anomalies in Europe 1675-1715 (Eds. B. Frenzel, C. Pfister and B. Glaser), pp.389-399 Palaeoclimate Research 13.

(keywords: climate change historical cartography weather)

Lebret, E. and Davies, T.D., 1994

"The Teplice Program; Second Peer Review."

75pp The Prague Institute of Advanced Studies, U. Michelskeho Lesa 366, Prague, Czech Republic.

(keywords: Teplice)

Low, P.S., Davies, T.D. and Kelly, P.M., 1994

“Trends in surface ozone over Europe 1978-1991.”

In: Ozone in the Troposphere and Stratosphere, Part 1. Proc. Quadrennial Ozone Symp., Univ. of Virginia, Charlottesville, 1992: NASA, Goddard Space Flight Center, Greenbelt, MD 20771, USA, pp.3-6

(keywords: ozone surface Europe pollution)

Low, P.S., Kelly, P.M. and Davies, T.D., 1994

“Trends in surface ozone over Europe, 1978-1990.”

In: Ozone in the Troposphere and Stratosphere, Part 1. Proceedings of the Quadrennial Ozone Symposium 1992, held in Charlottesville, Virginia, USA. pp.3-6 NASA Conference Publication 3266, National Aeronautics and Space Administration, USA. (R)

(keywords: ozone Europe historical datasets)

Milionis, A.E. and Davies, T.D., 1994

“Box-Jenkins univariate modelling for climatological time series analysis: an application to the monthly activity of temperature inversions.”

Int. J. Climatol. 14, 569-579

(keywords: modelling statistics climate change time series temperature)

Milionis, A.E. and Davies, T.D., 1994

“Regression and stochastic models for air pollution, Part 1: Review, comments and suggestions.”

Atmos. Environ. 28(17), 2801-2810

(keywords: statistics modelling air pollution methodology)

Milionis, A.E. and Davies, T.D., 1994

“Regression and stochastic models for air pollution, Part 2: Application of stochastic models to examine the links between ground level smoke concentrations and temperature inversions.”

Atmos. Environ. 28(17), 2811-2822

(keywords: modelling statistics methodology air pollution atmosphere temperature)

Ogilvie, A.E.J., 1994

“Documentary records of climate from Iceland during the late Maunder Minimum period A.D. 1675 to 1715 with reference to the isotopic record from Greenland.”

In: Climatic trends and anomalies in Europe 1675-1715 (Ed. B. Frenzel), pp.9-22 European Science Foundation, Strasbourg. (R)

(keywords: climate historical iceland)

Ogilvie, A.E.J., 1994

“Historical accounts of weather events, sea ice and related matters in Iceland and Greenland, A.D. c.1250 to 1430.”

Paper to be included in proc. 18th EPC Workshop on 'Documentary climatic evidence for 1750-1850 and the 14th C', convened by North European Group on Historical Climatology, held in Tallin, Estonia, 29 Sept.-1 Oct. 1994. Also publish in Palaeoclimatic Research/Palaoklimaforschung 22, Special Iss.15. The European Science Foundation and the Academy of Sciences & Literature in Mainz. (R)

(keywords: historical sea ice Iceland Greenland)

Osborn, T.J. and Wigley, T.M.L., 1994

“A simple model for estimating methane concentration and lifetime variations.”

Climate Dynamics 9, 181-193 Springer-Verlag. (R)

(keywords: methane modelling climate change methodology)

Palutikof, J.P., 1994

“Climate change scenarios for the Mediterranean.”

In: Pour qui la Mediterranee au 21eme Siecle? de l'Environnement, Montpellier, 202-206.

(keywords: climate change scenarios Europe regional)

Palutikof, J.P., 1994

“How researchers develop regional scenarios of climate change.”

Fact Sheet 18, Causes of Climate Change. Information Unit on Climate Change, UNEP/WMO, Ch telaine, Switzerland.

(keywords: regional scenarios methodology climate change)

Palutikof, J.P., Davies, T.D., Salmon, M., Halliday, J.A., Bass, J., 1994

“Assessment of Wind Potential at Prospective Wind Energy Converter Sites.”

ETSU W/11/0008/Rep/2, 143pp Dept. Trade & Industry, ERU, Rutherford Appleton Laboratory, Didcot.

(keywords: wind energy speed methodology)

Palutikof, J.P., Goodess, C.M. and Guo, X., 1994

“Climate change, potential evapotranspiration and moisture availability in the Mediterranean Basin.”

International Journal of Climatology 14, 853-869 (R)

(keywords: climate change evapotranspiration moisture Mediterranean Europe)

- Parker, D.E., Jones, P.D., Folland, C.K. and Bevan, A., 1994
"Interdecadal changes of surface temperature since the late nineteenth century."
 Journal of Geophysical Research 99, 14373-14399 (R)
 (keywords: surface temperature interdecadal historical global warming)
- Pfister, C., Kington, J.A., Kleinlogel, G., Schule, H. and Siffert, E., 1994
"High resolution spatio-temporal reconstructions of past climate from direct meteorological observations and proxy data."
 In: Climatic Trends and Anomalies in Europe 1675-1715 (Eds. B. Frenzel, C. Pfister and B. Glaser), pp.329-375
 Palaoklimaforschung/Palaeoclimate Research 13.
 (keywords: reconstructions climate historical observations proxy datasets)
- Rao, P.G., Kelly, P.M., Hulme, M. and Srinivasan, G., 1994
"Climatic change, greenhouse gas emissions, future climate and response strategies: the implications for India."
 CSERGE Working Paper GEC 94-22, 63pp University of East Anglia, Norwich, UK.
 (keywords: climate change greenhouse gas CO2 future management India impacts)
- Rotmans, J., Hulme, M. and Downing, T.E., 1994
"Climate change implications for Europe. An application of the ESCAPE Model."
 Global Environmental Change 4(2), 97-124 (R)
 (keywords: climate change forecasting modelling Europe)
- Salinger, M.J., Palmer, J.G., Jones, P.D. and Briffa, K.R., 1994
"Reconstruction of New Zealand climate indices back to A.D. 1731 using dendroclimatic techniques: some preliminary results."
 International Journal of Climatology 14, 1135-1149 (R)
 (keywords: reconstruction New Zealand climate change historical denro methodology)
- Tranter, M., Davies, T.D., Wigington, P.J. and Eshleman, K.N., 1994
"Episodic acidification of surface waters in Canada."
 Water, Air and Soil Pollut. 72, 19-39
 (keywords: acid rain hydrology Canada pollution)
- Tranter, M., Lamb, H.R., Brown, G.H., Davies, T.D., Sharp, M.J. and Tsiouris, S., 1994
"The oxygen content of snow-icemelt: hydrological implications."
 Final Report to NERC (GR9/1018), 9pp.
 (keywords: oxygen snow glaciology hydrology pollution acid rain)
- Viner, D., 1994
"Climate change modelling and climate change scenario construction methods for impacts assessment."
 Proc. Climate Impacts LINK Project Symposium, Norwich 19-21 September 1994, 47pp ?
 (keywords: climate change modelling GCMs scenarios methodology impacts)
- Viner, D. and Hulme, M., 1994
"The Climate Impacts LINK Project: Providing climate change scenarios for impacts assessment in the U.K."
 Report prepared for the UK Department of the Environment, 24pp Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.
 (keywords: climate change impacts scenarios UK)
- Viner, D., Hulme, M. and Raper, S.C.B., 1994
"Climate change scenarios for impacts assessment."
 Aspects of Applied Biology 38, 13-27
 (keywords: climate change scenarios impacts)
- Viner, D., Hulme, M. and Raper, S.C.B., 1994
"Construction of climate change scenarios from transient climate change experiments for the IPCC Impacts Assessment."
 In: Global Climate Change: Science Policy and Mitigation Strategies (Eds. C.V. Mathai and G. Stensland), Proc. Air and Waste Management Association International Specialty Conference, April 5-8, 1994, 376-392
 (keywords: climate change scenarios global warming forecasting IPCC impacts assessment)
- Wanner, H., Brazdil, R., Frich, P., Frydendahl, K., Jonsson, T., Kington, J.A., Pfister, C., Rosenorn and Wishman, E., 1994
"Synoptic interpretation of monthly weather maps for the late Maunder Minimum (1675-1704)."
 In: Climatic Trends and Anomalies in Europe 1675-1715 (Eds. B. Frenzel, C. Pfister and B. Glaser), pp.401-424
 Palaoklimaforschung/Palaeoclimate Research 13.
 (keywords: cartography historical records methodology climate change)

Abrahams, P.W., Davies, T.D., Jickells, T.D. and Tranter, M., 1993
“*Multi-element geochemical analysis of snow samples: use of discriminant analysis in interpreting the results.*”
Environmental Monitoring and Assessment 27, 159-174
(keywords: chemistry geochemistry snow acid rain methodology pollution)

Barrow, E.M., 1993
“*Scenarios of climate change for the European Community.*”
Eur. J. Agron. 2(4), 247-260 (R)
(keywords: agriculture climate change scenarios Europe)

Barrow, E.M., 1993
“*Future scenarios of climate change for Europe.*”
pp.11-39 in: The Effect of Climate Change on Agricultural and Horticultural Potential in Europe (Eds. G.J. Kenny, P.A. Harrison and M.L. Parry) Environmental Change Unit, University of Oxford.
(keywords: scenarios projections climate change Europe)

Barrow, E.M., Hulme, M. and Jiang, T., 1993
“*A 1961-90 baseline climatology and future climate change scenarios for Great Britain and Europe. Part I: Great Britain baseline climatology.*”
A report accompanying the datasets prepared for the 'Landscape Dynamics and Climate Change' TIGER IV Consortium, 50pp
Climatic Research Unit, University of East Anglia, Norwich, UK.
(keywords: climatology scenarios climate change UK Europe)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1993
“*Estimation of sector roughness lengths and the effect on prediction of the vertical wind speed profile.*”
Boundary-Layer Meteorology 66(1-2), 19-48 (R)
(keywords: wind speed energy methodology)

Bradley, R.S. and Jones, P.D., 1993
“*'Little Ice Age' summer temperature variations: their nature and relevance to recent global warming trends.*”
The Holocene 3/4, 367-376 (R)
(keywords: LIA temperature climate change historical global warming)

Briffa, K.R. and Jones, P.D., 1993
“*Global surface air temperature variations during the twentieth century: Part 2, Implications for large-scale high-frequency palaeoclimatic studies.*”
The Holocene 3, 77-88 (R)
(keywords: global surface air temperature statistics)

Conway, D. and Hulme, M., 1993
“*Recent fluctuations in precipitation and runoff over the Nile sub-basins and their impact on main Nile discharge.*”
Climatic Change 25, 127-151 Kluwer Academic Publishers, The Netherlands. (R)
(keywords: precipitation hydrology climate change impacts agriculture)

D'Arrigo, R.D., Cook, E.R., Jacoby, G.C. and Briffa, K.R., 1993
“*NAO and sea surface temperature signatures in tree-ring records from the North Atlantic sector.*”
Quaternary Science Reviews 12, 431-440 Elsevier Science Ltd. (R)
(keywords: Atlantic sea surface temperature tree rings historical NH req)

Davies, T.D., 1993
“*Links between ozone concentrations and synoptic scale meteorology.*”
In: Ozone in the United Kingdom 1993, Third Report of the UK Photchemical Oxidants Review Group, pp.69-70 DoE, 43
Marsham Street, London.
(keywords: ozone pollution meteorology)

Davies, T.D., 1993
“*Seasonal snowpacks.*”
NATO Scientific Publications Newsletter 45, p.5 NATO ASI Series Publication Office, Elcerlyclaan 2, B-3090 Overijse, Belgium.
Kluwer, Plenum, Springer-Verlag.
(keywords: snow chemistry pollution impacts)

Davies, T.D. and Dorling, S.R., 1993
“*Estimates of the annual wet deposition of EMEP stations using a simple model.*”
In: Pollutant Transport and Deposition Modelling: Report on the Conclusions of the National Forum (Mason, Sir John), pp.21-23
IC Consultants Ltd., Sherfield Bldg., London SW7 2AZ
(keywords: deposition precipitation acid rain pollution impacts)

Davies, T.D., Tranter, M., Blackwood, I.L. and Abrahams, P.W., 1993
“*The character and causes of a pronounced snowmelt-induced 'acidic episode' in a stream in a Scottish sub-Arctic catchment.*”

Journal of Hydrology 146, 267-300
(keywords: snow acid rain precipitation Scotland impacts chemistry)

Goodess, C.M. and Palutikof, J.P., 1993
“*Studies of Climatic Transition Periods Following the Present Temperate Climate State.*”
Nirex Safety Series, NSS/R316, 64pp
(keywords: climate change methodology)

Goodess, C.M. and Palutikof, J.P., 1993
“*The development of regional climate scenarios and the ecological impact of greenhouse gas warming.*”
In: Global Climate Change. The Ecological Consequences (Ed., F.I. Woodward), pp.33-62 Academic Press
(keywords: scenarios regional climate change ecology greenhouse effect global warming)

Gregory, J.M., Wigley, T.M.L. and Jones, P.D., 1993
“*Applications of Markov models to area-average precipitation series and interannual variability in seasonal totals.*”
Climate Dynamics 8, 299-310 (R)
(keywords: Markov modelling precipitation statistics)

Gregory, J.M., Wigley, T.M.L. and Jones, P.D., 1993
“*Application of Markov models to area-average daily precipitation series and interannual variability in seasonal totals.*”
Climate Dynamics, 8 299-310

Hulme, M., 1993
“*Historical records and recent climatic change.*”
Chapter in: The Changing Global Environment (Ed. N. Roberts), pp.69-98 Blackwell, Oxford.
(keywords: climate change historical observations)

Hulme, M., 1993
“*Global warming.*”
Progress in Physical Geography 17(1), 81-91 (R)
(keywords: global warming climate change)

Hulme, M., 1993
“*Historic records and recent climatic change.*”
pp.69-98 in: The Changing Global Environment (N. Roberts, ed.), 531pp Blackwell, Oxford.
(keywords: book historical records observations climate change global warming)

Hulme, M. and Kelly, P.M., 1993
“*Exploring the links between desertification and climate change.*”
Environment 35(6), 4-11 & 39-45 paper (R)
(keywords: desertification climate change methodology drought)

Hulme, M. and Kelly, P.M., 1993
“*Climate Change, Desertification and Dessication, and the case of the Afri can Sahel.*”
CSERGE Working Paper GEC 93-17, 37pp The Centre for Social and Economic Research on the Global Environment ,
University of East Anglia, Norwich, UK. (R)
(keywords: climate change desertification drought Sahel Africa regional)

Hulme, M., Briffa, K.R., Jones, P.D. and Senior, C.A., 1993
“*Validation of GCM control simulations using indices of daily airflow types over the British Isles.*”
Climate Dynamics 9, 95-105 (R)
(keywords: GCMs weather types UK)

Hulme, M., Hossell, J.E. and Parry, M.L., 1993
“*Future climate change and land use in the United Kingdom.*”
The Geographical Journal 159, 131-147 (R)
(keywords: forecasting climate change agriculture social economic UK regional)

Hulme, M., Jiang, T., Turney, C. and Barrow, E.M., 1993
“*A 1961-90 baseline climatology and future climate change scenarios for Great Britain and Europe. Part II: 1961-90 European baseline climatology.*”
A report accompanying the datasets prepared for the 'Landscape Dynamics and Climate Change' TIGER IV Consortium, 40pp
Climatic Research Unit, University of East Anglia, Norwich, UK.
(keywords: climatology scenarios climate change UK Europe)

Jones, H.G., Pomeroy, J.W., Davies, T.D., Marsh, P. and Tranter, M., 1993
“*Snow-atmosphere interactions in Arctic snowpacks: net fluxes of NO₃, SO₄ and influence of solar radiation.*”
In: Proc. Eastern Snow Conf. 50th annual meeting, Quebec City, June 1993, 255-264
(keywords: snow chemistry atmosphere pollution solar precipitation)

Jones, P.D., 1993

"Is climate change occurring? Evidence from the instrumental record."

In: Agricultural Dimensions of Global Climate Change (Eds. H.M. Kaiser and T.E. Drennen), pp.27-44 St Lucie Press, 100 E. Linton Blvd., Suite 403B, Delray Beach, FL 33483, USA. (R)

(keywords: climate change historical records)

Jones, P.D. and Lindesay, J.A., 1993

"Maximum and minimum temperature trends over South Africa and the Sudan."

In, Preprints, 4th International Conference on SOuthern Hemisphere Meteorology and Oceanography 359-360 American Meteorological Society, Boston

Jones, P.D. and Wigley, T.M.L., 1993

"Decadal timescale links between Antarctic Peninsula ice-core oxygen-18, deuterium and temperature."

Antarctic Special Topic 97-98 (R)

(keywords: Antarctic ice cores)

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."

International Journal of Climatology 13, 655-663 (R)

(keywords: LWTs atmospheric circulation methodology classification)

Jones, P.D., Marsh, R., Wigley, T.M.L. and Peel, D.A., 1993

"Decadal timescale links between Antarctic Peninsula ice core oxygen-18, deuterium and temperature."

The Holocene 3(1), 14-26 (R)

(keywords: Antarctic ice cores historical observations)

Karl, T.R., Jones, P.D., Knight, R.W., Kukla, G., Plummer, N., Razuva yev, V., Gallo, K.P., Lindsey, J., Charlson, R.J. and Peterson, T.C., 1993

"A new perspective on recent global warming: Asymmetric trends of daily maximum and minimum temperatures."

Bulletin of the American Meteorological Society 74(6), 1007-1023 (R)

(keywords: global warming temperatures forecasting methodology greenhouse dataset s)

Kelly, P.M. and Hulme, M., 1993

"Climate scenarios for the Indian subcontinent and the Himachal Pradesh region."

27pp Climatic Research Unit, Norwich/International Institute for Environment and Development, London. (R)

(keywords: India climate change scenarios)

Ogilvie, A.E.J., 1993

"Climate."

entry in 'Medieval Scandinavia'. An Encyclopedia. (Eds. Phillip Pulsiano, et al.), pp.94-96 Garland Publishing, Inc., New York & London. (R)

(keywords: Scandinavia historical climate change)

Palutikof, J.P., 1993

"Observed and modelled climatic data for the MEDALUS study areas available November 1993."

MEDALUS Working Paper No.5, 13pp.

(keywords: climate change datasets Europe observations)

Raper, S.C.B., 1993

"Observational data on the relationships between climatic change and the frequency and magnitude of severe tropical storms."

pp.192-212 in: Climate and Sea Level Change: Observations, Projections and Implications (Eds. R.A. Warrick, E.M. Barrow and T.M.L. Wigley). Cambridge University Press. (R)

(keywords: observations climate change storms tropics)

Raper, S.C.B., Warrick, R.A. and Wigley, T.M.L., 1993

"Global sea level rise: past and future."

In: Rising Sea Level and Subsiding Coastal Areas (Ed. J. Milliman), SCOPE Series. John Wiley and Sons, Inc., Chichester (in press)

(keywords: sea level rise historical global observations forecasting prediction)

Santer, B.D., Wigley, T.M.L. and Jones, P.D., 1993

"Correlation methods in fingerprint detection studies."

Climate Dynamics 8, 265-276 (R)

(keywords: statistics datasets detection global warming climate change)

Schuepbach, E. and Davies, T.D., 1993

"A case study with vertical downward mixing of upper atmospheric ozone in the Swiss Alps."

Schweingruber, F.H., Briffa, K.R. and Nogler, P., 1993
“A tree-ring densitometric transect from Alaska to Labrador.”
International Journal of Biometeorology 37, 151-169 (R)
(keywords: tree rings USA NH req)

Warrick, R.A., 1993
“Climate and sea level change: a synthesis.”
In: Climate and Sea Level Change: Observations, Projections and Implications (Eds. R.A. Warrick, E.M. Barrow and T.M.L. Wigley), pp.3-21 Cambridge University Press, Cambridge.
(keywords: climate change sea level book)

Warrick, R.A., Barrow, E.M. and Wigley, T.M.L. (Eds), 1993
“Climate and Sea Level Change: Observations, Projections and Implications.”
Cambridge University Press, Cambridge, 424pp
(keywords: sea level climate change book prediction scenarios impacts)

Wigley, T.M.L., 1993
“Balancing the carbon budget. Implications for projections of future carbon dioxide concentration changes.”
Tellus 45B, 409-425 (R)
(keywords: CO2 impacts scenarios global warming climate change)

Wigley, T.M.L. and Raper, S.C.B., 1993
“Future changes in global mean temperature and sea level.”
In: Climate and Sea Level Change: Observations, Projections and Implications (Eds. R.A. Warrick, E.M. Barrow and T.M.L. Wigley), pp.111-133 Cambridge University Press, Cambridge, UK. (R)
(keywords: climate change sea level temperature global predictions scenarios)

Wigley, T.M.L. and Raper, S.C.B., 1993
“Global mean temperature and sea level projections under the 1992 IPCC emissions scenarios. Annex.”
In: Climate and Sea Level Change: Observations, Projections and Implications (Eds. R.A. Warrick, E.M. Barrow and T.M.L. Wigley), pp.401-404 Cambridge University Press. (R)
(keywords: global temperature sea level forecasting scenarios pollution)

1992

Barnett, T.P. and Jones, P.D., 1992
“Intercomparison of two different Southern Hemisphere sea level pressure datasets.”
Journal of Climate 5, 93-99 paper
(keywords: sea level SH datasets pressure)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1992
“Estimating site roughness lengths.”
Presented at: British Wind Energy Conference, 25-27, Nottingham, UK.
(keywords: wind energy speed synoptic meteorology methodology)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1992
“Estimating site roughness length.”
In: Wind Energy Conversion; Proc. 14th BWEA Wind Energy Conf. (Ed. B.R. Clayton), pp.275-281 Mechanical Engineering Publications Ltd., London.
(keywords: wind energy methodology roughness speed)

Bradley, R.S. and Jones, P.D., 1992
“When was the Little Ice Age?”
In: Proceedings International Symposium on the Little Ice Age Climate (Ed. T. Mikami), pp.1-4 Department of Geography, Tokyo Metropolitan University
(keywords: historical climate temperature ice observations records)

Bradley, R.S. and Jones, P.D., 1992
“Climate since A.D.1500: Introduction.”
In: Climate Since A.D.1500 (Eds. R.S. Bradley and P.D. Jones), pp.1-16 Routledge, London.
(keywords: historical climate change book records observations)

Bradley, R.S. and Jones, P.D., 1992

“Records of explosive volcanic eruptions over the last 500 years.”

In: Climate Since A.D.1600 (Eds. R.S. Bradley and P.D. Jones), pp.606-622 Routledge, London.

(keywords: volcanoes historical records climate change)

Bradley, R.S. and Jones, P.D. (Editors), 1992

“Climate Since A.D.1500.”

679pp Routledge, London.

(keywords: historical climate book records observations reconstructions)

Briffa, K.R., 1992

“Dendroclimatological reconstructions in Northern Fennoscandia.”

In: Proceedings of the International Symposium on the Climate of the Little Ice Age (Ed. T. Mikami), pp.5-10 Department of Geography, Tokyo Metropolitan University. (R)

(keywords: dendro reconstruction Europe tree rings historical records scenarios)

Briffa, K.R., 1992

“Increasing productivity of 'natural growth' conifers in Europe over the last century.”

pp.64-71 in: LUNDQUA Report, Vol.34, Proc. Int. Dendrochronological Symp., held in Ystad, south Sweden, 3-9 September 1990 (Eds. T.S. Bartholin, B.E. Berglund, D. Eckstein and F.H. Schweingruber). Department of Quaternary Geology, Lund University, Sweden. (R)

(keywords: dendro historical Europe CO2 req)

Briffa, K.R. and Jones, P.D., 1992

“The climate of Europe during the 1810s with Special References to 1816.”

In: The year without a summer? World Climate in 1816 (Ed. C.R. Harington) pp.372-391 Canadian Museum of Nature, Ottawa. (R)

(keywords: climate Europe)

Briffa, K.R. and Schweingruber, F.H., 1992

“Recent dendroclimatic evidence of northern and central European temperatures.”

In: Climate Since A.D.1500 (Eds. R.S. Bradley and P.D. Jones), pp.366-392 Routledge, London. (R)

(keywords: dendro European reconstructions climate tree rings temperature)

Briffa, K.R., 1992

“Dendroclimatological Reconstructions in Northern Fennoscandia.”

In: Proceedings of the International Symposium on the Little Ice Age Climate (Ed. T. Mikami), pp.5-10 Dept. of Geography, Tokyo Metropolitan University. (R)

(keywords: dendro reconstruction)

Briffa, K.R., Jones, P.D. and Schweingruber, F.H., 1992

“Tree-ring density reconstructions of summer temperature patterns across western North America since A.D.1600.”

Journal of Climate 5(7), 735-754 (R)

(keywords: tree rings dendro reconstructions USA temperature USA regional)

Briffa, K.R., Jones, P.D., Bartholin, T.S., Eckstein, D., Schweingruber, F.H., Karlen, W., Zetterberg, P. and Eronen, M., 1992

“Fennoscandian summers from A.D.500: temperature changes on short and long timescales.”

Climate Dynamics 7, 111-119 (R)

(keywords: Europe temperature historical tree rings observations reconstructions)

Davies, T.D. and Vavrus, S.J., 1992

“Responses of snowmelt frequency and associated freshwater 'acid episodes' to projected future climates: NE United States and SE Canada.”

EOS 74(3), 178

(keywords: snow chemistry precipitation acid rain USA Canada forecasting)

Davies, T.D., Farmer, G., Kelly, P.M., Glover, G.M., ApSimon, H.M. and Barthelmie, R.J., 1992

“Surface pressure pattern indicators of mean monthly pollutant concentrations in southern Scandinavian precipitation: a test using case studies of months with high and low concentrations of non-marine sulphate and nitrate.”

Atmospheric Environment 26A, 261-278 (R)

(keywords: pollution Europe precipitation sulphate nitrate surface pressure)

Davies, T.D., Glynn, S., Barthelmie, R.J. and Schaug, J., 1992

“European Precipitation Chemistry Atlas, Vol. 3.”

EMEP/CCC Report 6/92, 322pp Norweign Inst. for Air Res., P O Box 64, N-2001 Lillestrom, Norway.

(keywords: chemistry precipitation air atlas pollution acid rain snow)

Davies, T.D., Kelly, P.M., Low, P.S. and Pierce, C.E., 1992

“Surface ozone concentrations in Europe: links with regional-scale atmospheric circulation.”

Davies, T.D., Pierce, C.E. and Dorling, S.R., 1992

"Towards an assessment of the influence of climate on wet acidic deposition in Europe."

Environ. Pollut. 75, 111-119

(keywords: climate change deposition precipitation Europe chemistry snow)

Davies, T.D., Tranter, M., Jickells, T.D., Abrahams, P.W., Landsberger, S., Jarvis, K. and Pierce, C.E., 1992

"Heavily contaminated snowfalls in the remote Scottish Highlands: a consequence of regional-scale mixing and transport."

Atmos. Environ. 26A, 95-112

(keywords: snow chemistry pollution precipitation climate change acid Scotland UK transport)

Davies, T.D., Tranter, M., Wigington, P.J. and Eshleman, K., 1992

"Acidic episodes in surface waters in Europe."

J. Hydrol. 132, 25-69

(keywords: acid rain precipitation hydrology Europe lakes pollution)

Dorling, S.R. and Davies, T.D., 1992

"Cluster analysis: A technique for estimating the synoptic meteorological controls on air and precipitation chemistry - method and applications."

Atmos. Environ. 26A, 2575-2581

(keywords: cluster analysis statistics meteorology precipitation chemistry methodology)

Dorling, S.R., Davies, T.D. and Pierce, C.E., 1992

"Cluster analysis and the meteorological controls influencing precipitation chemistry at Eskdalemuir, Scotland."

In: Precipitation Scavenging and Atmosphere-Surface Exchange, Vol. 3 Applications and Appraisals (Eds. S.E. Schwartz and W.G.N. Slinn), pp.1521-1532 Hemisphere Publishing Corp., Washington.

(keywords: statistics meteorology precipitation chemistry Scotland UK)

Dorling, S.R., Davies, T.D. and Pierce, C.E., 1992

"Cluster analysis: A technique for estimating the synoptic meteorological controls on air and precipitation chemistry - results from Eskdalemuir, South Scotland."

Atmos. Environ. 26A, 2583-2602

(keywords: cluster analysis statistics methodology meteorology air precipitation chemistry Scotland UK)

Eshleman, K.N., Davies, T.D. and Tranter, M., 1992

"Modelling the episodic chemical response of surface waters to acid deposition."

Environ. Pollut. 77, 287-295

(keywords: chemical deposition precipitation modelling lakes acid rain methodology)

Fitzharris, B.B., Hay, J.E. and Jones, P.D., 1992

"Behaviour of New Zealand glaciers and atmospheric circulation changes over 130 years."

The Holocene 2, 97-106

(keywords: New Zealand glaciology atmospheric circulation historical records ice)

Gardiner, B.A., Quine, C.P., Hannah, P. and Inglis, D.W.F., 1992

"Airflow over complex terrain in the west of Scotland."

Presented at: 17th Meeting European Geophysical Society, Edinburgh, April 6-10, 1992. Annales Geophysic 10(2), Part 2: Oceans, Atmosphere, Hydrology and Nonlinear Geophysics, pp.C239

(keywords: wind regional air energy speed Scotland UK)

Goodess, C.M. and Palutikof, J.P., 1992

"The development of regional scenarios and the ecological impact of greenhouse gas warming."

Advances in Ecological Research 22, 33-62 (R)

(keywords: regional ecology greenhouse warming ecology scenarios impacts)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1992

"The Nature and Causes of Climate Change: Assessing the Long-term Future."

Belhaven Press, London. 248pp Lewis Publishers, Boca Raton, USA.

(keywords: climate change forecasting book impacts)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1992

"Studies of climatic effects relevant to deep underground disposal of radioactive waste."

Nirex Safety Series NSS/R267, 398pp

(keywords: climate change radioactive waste pollution impacts)

Gregory, J.M., Wigley, T.M.L. and Jones, P.D., 1992

"Determining and interpreting the order of a two-state Markov Chain: application to models of daily precipitation."

Water Resources Research 28, 1443-1446 (R)

(keywords: Markov modelling precipitation statistics methodology)

Hannah, P. and Palutikof, J.P., 1992

"Sharpe's Bank Wind Monitoring Project."

Final Report to Eastern Electricity, 70pp Climatic Research Unit

(keywords: wind energy speed regional methodology)

Hannah, P., Palutikof, J.P. and Quine, C.P., 1992

"The use of upper air data in the reconstruction of surface time-series in complex terrain."

In: Proceedings 12th Conference on Probability and Statistics in the Atmospheric Sciences, Toronto, June 22-26, 1992, pp.1-4

American Meteorological Society

(keywords: wind atmospheric reconstruction time series air datasets energy speed)

Hannah, P., Palutikof, J.P. and Quine, C.P., 1992

"The use of statistical techniques in the reconstruction of windspeed time-series."

In: Proceedings 14th BWEA Wind Energy Conference, Nottingham, March 25-27, 1992, pp.267-274 Mechanical Engineering

Publications

(keywords: statistics wind reconstruction time series speed energy methodology)

Hulme, M., 1992

"A 1951-80 global land precipitation climatology for the evaluation of General Circulation Models."

Climate Dynamics 7, 57-72 (R)

(keywords: precipitation climate global GCMs modelling evaluation methodology)

Hulme, M., 1992

"International conference on the physical causes of drought and desertification."

Disasters 16, 185-188

(keywords: drought desertification climate change)

Hulme, M., 1992

"Rainfall changes in Africa: 1931-60 to 1961-90."

International Journal of Climatology 12, 685-699 (R)

(keywords: rainfall Africa historical precipitation records observations)

Hulme, M., 1992

"Recent and future precipitation change over the Nile Basin."

pp.187-201 in: Climate Fluctuations and Water Management (Eds. A.K. Biswas and Abu Said, M.A.) Butterworth-Heinemann, Oxford.

(keywords: precipitation Egypt climate change hydrologyw water regional)

Hulme, M. (Ed.), 1992

"A Scientific Description of the ESCAPE Software."

126pp Climatic Research Unit, Norwich. (R)

(keywords: modelling software scenarios methodology)

Hulme, M. (Ed.), 1992

"A User Manual for the ESCAPE Software,"

60pp Climatic Research Unit, Norwich. (R)

(keywords: software modelling statistics scenarios methodology)

Hulme, M. (with others), 1992

"Climate change due to the Greenhouse Effect and its implications for China."

Report published by WWF-World Wide Fund for Nature, 57pp (English and Chinese language versions), WWF, CH-1196 Gland, Switzerland. (R)

(keywords: climate change greenhouse warming China regional impacts)

Hulme, M. and Kelly, P.M., 1992

"Climate change, desertification and dessication with particular emphasis on the African Sahel."

A Briefing Paper prepared for the Overseas Development Administration, 26pp (R)

(keywords: climate change desertification Africa water)

Hulme, M. and Kelly, P.M., 1992

"Climate Scenarios for the SADCC Region."

Prepared for the IIED/UEA/WCU Project on "Climate Change and the Third World", 24pp CRU/IIED, Norwich. (R)

(keywords: climate change modelling Africa scenarios)

Hulme, M., Barthelmie, R.J. and Jiang, T., 1992

"Future Changes in Transient Climate and Climatic Extremes in the UK: Implications for Agriculture,"

Interim Report prepared for MAFF, Contract No. CSA 1973, 58pp Climatic Research Unit, Norwich.

(keywords: climate change exceptional UK agriculture forecasting exceptional)

Hulme, M., Biot, Y., Borton, J., Buchanan-Smith, M., Davies, S., Folland, C., Nicholds, N., Seddon, D. and Ward, N., 1992
“*Seasonal rainfall forecasting for Africa. Part II - Application and impact assessment.*”

International Journal of Environmental Studies 40, 103-121 (R)

(keywords: rainfall forecasting Africa precipitation impacts methodology)

Hulme, M., Biot, Y., Borton, J., Buchanan-Smith, M., Davis, S., Folland, C., Nicholds, N., Seddon, D. and Ward, N., 1992
“*Seasonal rainfall forecasting for Africa. Part I: Current status and future developments.*”

International Journal of Environmental Studies A39, 245-256 (R)

(keywords: rainfall forecasting Africa precipitation prediction scenarios)

Hulme, M., Briffa, K.R., Jones, P.D. and Wigley, T.M.L., 1992

“*GCM Validation and Climate Change Detection.*”

Interim Report for the UK Department of the Environment, Contract No.PECD/7/12/78, 48pp Climatic Research Unit, Norwich.

(keywords: climate change GCMs modelling statistics methodology)

Hulme, M., Havers, P. and Boardman, B., 1992

“*Impacts of climate change.*”

pp.40-49 in: Proceedings of the Workshop on Innovative Cooling, May 12-14, Birmingham, UK. sponsored by the International Energy Agency - Future Buildings Forum.

(keywords: impacts climate change global warming social economic political)

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 (R)

(keywords: global humidity historical records observations)

Hulme, M., Wigley, T.M.L., Jiang, T., Zhao, Z-C., Wang, F., Ding, Y., Leemans, R. and Markham, A., 1992

“*Climate change due to the greenhouse effect and its implications for China.*”

WWF International, Gland, Switzerland, 57pp (English and Chinese versions)

(keywords: climate change global warming greenhouse China impacts)

Isaksen, I.S.A., Ramaswamy, V., Rodhe, H. and Wigley, T.M.L., 1992

“*Radiative forcing of climate.*”

In: Climate Change 1992: The Supplementary Report to the IPCC Scientific Assessment (Eds. J.T. Houghton, B.A. Callander and S.K. Varney), pp.47-67 Cambridge University Press, Cambridge, UK. (R)

(keywords: climate change)

Jickells, T.D., Davies, T.D., Tranter, M., Landsberger, S., Jarvis, K. and Abrahams, P., 1992

“*Trace elements in snow samples from the Scottish Highlands: sources and dissolved/particulate distributions.*”

Atmos. Environ. 26A, 303-401

(keywords: snow chemistry pollution Scotland precipitation acid)

Jickells, T.D., Kane, M.M., Rendell, A., Davies, T.D., Tranter, M. and Jarvis, K.E., 1992

“*Applications of inductively coupled plasma techniques and preconcentration to the analysis of atmospheric precipitation.*”

Analytical Proceedings 29, 288-291

(keywords: atmospheric chemistry precipitation methodology)

Jones, P.D. and Bradley, R.S., 1992

“*Climatic variations over the last 500 years.*”

In: Climate Since A.D.1500 (Eds. R.S. Bradley and P.D. Jones), pp.649-665 Routledge, London. (R)

(keywords: climate change historical records observations)

Jones, P.D. and Bradley, R.S., 1992

“*Global-scale temperature changes during the period of instrumental records.*”

In: Proceedings International Symposium on the Little Ice Age Climate (Ed. T. Mikami), pp.253-259 Department of Geography, Tokyo Metropolitan University.

(keywords: global temperature climate change historical records observations)

Jones, P.D. and Bradley, R.S., 1992

“*Climatic variations in the longest instrumental records.*”

In: Climate Since A.D.1500 (Eds. R.S. Bradley and P.D. Jones), pp.246-268 Routledge, London. (R)

(keywords: climate change historical records observations)

Jones, P.D. and Briffa, K.R., 1992

“*Global surface air temperature variations during the twentieth century: Part 1, Spatial, Temporal and Seasonal Details.*”

The Holocene 2, 165-179 (R)

(keywords: global surface temperature climate change historical)

Jones, P.D., Santer, B.D. and Wigley, T.M.L., 1992

"Fingerprint detection using spatial correlation techniques."

In: Proceedings of Fifth International Meeting on Statistical Climatology (Ed. F.W. Zwiers) 437-444 Atmospheric Environment Service

Kelly, P.M. and Wigley, T.M.L., 1992

"Solar cycle length, greenhouse forcing and global climate."

Nature 360, 328-330 (R)

(keywords: solar cycles greenhouse forcing global climate change)

Kington, J.A., 1992

"Weather patterns over Europe in 1816."

In: The Year Without a Summer? World Climate in 1816 (Ed. C.R. Harington), pp.358-371 Canadian Museum of Nature, Ottawa.

(keywords: weather Europe historical climate change cartography)

Low, P.S. and Kelly, P.M., 1992

"Variations in surface ozone trends over Europe."

Geophysical Research Letters 19(11), 1117-1120 (R)

(keywords: surface ozone Europe pollution trends)

Milionis, A.E. and Davies, T.D., 1992

"A five-year climatology of elevated inversions at Hemsby, U.K."

Int. J. Climatol. 12, 205-215

(keywords: climate change regional UK impacts)

Neumann, J. and Kington, J.A., 1992

"Great historical events that were significantly affected by the weather: part 10, crop failure in Britain in 1799 and 1800 and the British decision to send a naval force to the Baltic early in 1801."

Bulletin American Meteorological Society 73, 187-199

(keywords: historical weather agriculture UK warfare)

Ogilvie, A.E.J., 1992a

"The climate of Scandinavia in medieval times."

In: The Encyclopedia of Scandinavia in the Middle Ages (Eds. P. Pulsiano, K. Wolf and D.K. Fry). Garland Publishing (in press).

(keywords: climate Europe historical records reconstructions)

Ogilvie, A.E.J., 1992b

"1816 - A year without a summer in Iceland?"

In: 1816 - The Year Without a Summer, World Climate in 1816 (Ed. C.R. Harrington), pp.331-354 Canadian Museum of Nature.

(keywords: climate historical Iceland ice temperature exceptional events)

Ogilvie, A.E.J., 1992d

"Documentary evidence for changes in the climate of Iceland, A.D.1500 to 1800."

In: Climate Since A.D.1500 (Eds. R.S. Bradley and P.D. Jones), pp.92-117 Routledge, London. (R)

(keywords: climate change Iceland historical records exceptional events)

Palutikof, J.P., Guo, X. and Halliday, J.A., 1992

"Climate variability and the UK wind resource."

Journal of Wind Engineering and Industrial Aerodynamics 39, 243-249 (R)

(keywords: climate change impacts UK wind energy speed)

Palutikof, J.P., Guo, X., Wigley, T.M.L. and Gregory, J.M., 1992

"Regional Changes in Climate in the Mediterranean Basin due to Global Greenhouse Gas Warming."

MAP Technical Reports Series No.66, 172pp UNEP, Athens. (R)

(keywords: climate change greenhouse global Europe warming regional impacts)

Tranter, M., Davies, T.D. and Tsiouris, S., 1992

"Laboratory experiments of rain-on-snow events."

Hydrological Processes 6(2), 169-178

(keywords: snow methodology chemistry precipitation laboratory impacts climate change)

Viner, D. and Hulme, M., 1992

"Climate Change Scenarios for Impact Studies in the U.K.: General Circulation Models, Scenario Construction Methods and Applications for Impact Assessment."

Warrick, R.A. and Rahman, A.A., 1992

"Future sea level rise: environmental and socio-political considerations."

In: (title to be announced) (Ed. I. Mintzer). (forthcoming)

(keywords: sea level social political human impacts forecasting scenarios)

Wigington, P.J., Davies, T.D., Tranter, M. and Eshleman, K.N., 1992

"Comparison of episodic acidification in Canada, Europe and the United States."

Environ. Pollution 78, 29-35

(keywords: acid rain precipitation pollution Canada Europe USA methodology)

Wigington, P.J., Eshleman, K.N., Davies, T.D., Tranter, M., Dewalle, D.R., Murdoch, P.S. and Kretser, W.A., 1992

"A conceptual model of episodic acidification."

EOS 14(43), p.178

(keywords: acid rain pollution modelling methodology impacts)

Wigley, T.M.L., 1992

"Future climate of the Mediterranean Basin with particular emphasis on changes in precipitation."

In: Climate Change and the Mediterranean (Eds. L. Jeftic, J.D. Milliman and G. Sestini), pp.15-44 (UNEP) Routledge, New York.
(R)

(keywords: Europe forecasting precipitation impacts climate change)

Wigley, T.M.L. and Raper, S.C.B., 1992

"Implications for climate and sea level of revised IPCC emissions scenarios."

Nature 357, 293-300 (R)

(keywords: climate change sea level scenarios impacts)

Wigley, T.M.L., Jones, P.D., Kelly, P.M. and Hulme, M., 1992

"Recent global temperature changes: ozone and aerosol influences."

pp.194-202 in: Proceedings 16th Annual Climate Diagnostics Workshop (Ed. D.R. Rodenhuis), 451pp NOAA, U.S. Dept. Commerce.

(keywords: global temperature ozone aerosols pollution impacts)

Zeman, Z., Pomeroy, J.W., Davies, T.D. and Tranter, M., 1992

"Changes in chemical composition of snow as a result of snowcover redistribution by wind."

Ochrana ovzduši. 6(24), 42-49

(keywords: chemistry snow precipitation transport wind pollution)

1991

Allan, R.J., Nicholls, N., Jones, P.D. and Butterworth, I.J., 1991

"A further extension of the Tahiti-Darwin SOI, early ENSO events and Darwin pressure."

Journal of Climate 4, 743-749 (R)

(keywords: SOI ENSO pressure)

Barring, L. and Hulme, M., 1991

"Filters and approximate confidence intervals for interpreting rainfall anomaly indices."

Journal of Climate 4, 837-847 (R)

(keywords: statistics rainfall precipitation methodology evaluation)

Barthelmie, R.J., 1991

"Predicting On- and Off-shore Wind Speeds for Wind Energy Applications."

Ph.D. Thesis, University of East Anglia, UK.

(keywords: wind energy speeds methodology evaluation)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1991

"Predicting UK offshore wind speeds."

Ann. Geophysic 708-715 (R)

(keywords: wind UK speed energy Europe offshore methodology prediction)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1991

"The Potential for UK Offshore Wind Power."

In: Windpower '90, Proc. American Wind Energy Association Conference 1990, pp.278-286 American Wind Energy Association, Washington, D.C.

(keywords: wind energy speed UK predictions methodology)

Bradley, R.S., Braziunas, T. and 13 others (including Wigley, T.M.L.), 1991

“Global Change: the Last 2000 Years.”

Working Group Report in: Global Changes of the Past (Ed. R.S. Bradley), pp.11-24 UCAR/Office for Interdisciplinary Earth Studies, Boulder, CO, USA.

(keywords: global climate change historical records statistics impacts)

Briffa, K.R., 1991

“Detection of any Widespread and Unprecedented Changes in the Growth of European Conifers.”

Final Report to the UK Forestry Commission, 150pp + appds. Climatic Research Unit, University of East Anglia, Norwich.

(keywords: dendro exceptional events tree rings Europe impacts climate change)

Cole, J.A., Slade, S., Jones, P.D. and Gregory, J.M., 1991

“Reliable yield of reservoirs and possible effects of climate change.”

Journal of Hydrological Sciences 36, 579-598 (R)

(keywords: climate change hydrology impacts water)

Davies, T.D., 1991

“Influence of urban areas on the chemistry of regional snowcover.”

In: Seasonal snowpacks: processes of compositional change (Eds. T.D. Davies, M. Tranter, H.G. Jones), pp.321-322 Springer-Verlag

(keywords: chemistry snow precipitation impacts climate change)

Davies, T.D., 1991

“Occurrence of episodic acidification in Europe.”

In: Acidic Deposition Vol. 2, Aquatic Processes and Effects, pp.12/39-12/57 National Acid Precipitation Assessment Program, Jackson Place, Washington, DC.

(keywords: acid rain snow precipitation chemistry pollution Europe)

Davies, T.D. and Vavrus, S.J., 1991

“Climatic change and seasonal snowcovers: a review of the factors regulating the chemical evolution of snowcover and a predictive case study for north-eastern North America.”

In: Seasonal snowpacks: processes of compositional change (Eds. T.D. Davies, M. Tranter, H.G. Jones), pp.421-456 Springer-Verlag

(keywords: snow chemistry climate change impacts pollution USA regional)

Davies, T.D., Dorling, S.R., Pierce, C.E., Barthelmie, R.J. and Farmer, G., 1991

“The meteorological control on the anthropogenic ion content of precipitation at three sites in the UK: the utility of Lamb weather types.”

International Journal of Climatology 11, 795-807

(keywords: precipitation climate UK LWTs chemistry regional Europe chemistry)

Davies, T.D., Tranter, M. and Jones, H.G., 1991

“Seasonal snowpacks: processes of compositional change.”

NATO ASI Series G., 471pp Springer-Verlag.

(keywords: snow chemistry precipitation climate change)

Eischeid, J.K., Diaz, H.F., Bradley, R.S. and Jones, P.D., 1991

“A Comprehensive Precipitation Data Set for Global Land Areas.”

Technical Report TR051, 82pp U.S. Dept. of Energy, Carbon Dioxide Research Division.

(keywords: precipitation datasets global land)

Goodess, C.M. and Palutikof, J.P., 1991

“The UK approach to studies of climate change and radioactive waste disposal.”

In: Proceedings of the International Workshop on Future Climate Change and Radioactive Waste Disposal, Norwich, November 1989. pp.58-76 Nirex Safety Series, NSS/R257

(keywords: climate change radioactive waste UK methodology)

Goodess, C.M. and Palutikof, J.P. (Editors), 1991

“Proceedings of the International Workshop on Future Climate Change and Radioactive Waste Disposal, Norwich, November, 1989.”

Nirex Safety Series, NSS/R257, 261pp (R)

(keywords: radioactive waste climate change)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1991

“A methodology for incorporating future climate change into time-dependent assessment models for the deep geological disposal of radioactive wastes in the UK.”

In: Probabilistic Safety Assessment and Management, Vol.1, Proc. Int. Conf. on Probabilistic Safety Assessment and Management, held Feb. 4-7, 1991 in Beverly Hill, California (Ed. G. Apostolakis), pp.91-96 Elsevier.

(keywords: climate change forecasting modelling radioactive waste UK methodology)

Gregory, J.M., Jones, P.D. and Wigley, T.M.L., 1991

"Precipitation in Britain: an analysis of area-average data updated to 1989."

International Journal of Climatology 11, 331-345 (R)

(keywords: precipitation UK datasets statistics historical records)

Hannah, P., Palutikof, J.P., Quine, C.P. and Guo, X., 1991

"Reconstruction of time series in complex terrain."

In: Wind Energy Conversion 1991 (Eds. D.C. Quarton and V.C. Fenton), pp.281-288 Mechanical Engineering Publications, London.

(keywords: time series wind energy speed statistics methodology)

Hulme, M., 1991

"Analysis of Worldwide Precipitation Records and Comparison with Model Predictions."

Final Report for the UK Department of the Environment, Contract PECD/7/10/198, 76pp Climatic Research Unit, Norwich.

(keywords: precipitation global modelling predictions historical records)

Hulme, M., 1991

"Environment and climate change: the challenge for China."

Disasters 15, 282-285.

(keywords: climate change China impacts pollution political)

Hulme, M., 1991

"Living in the greenhouse."

In: Children's Britannica Yearbook 1991, pp.68-73 Encyclopaedia Britannica International Ltd., London. 232pp.

(keywords: greenhouse warming climate change)

Hulme, M., 1991

"Record warmth in 1990 and global warming."

Geography 76, 365-369 (R)

(keywords: temperature global warming exceptional events)

Hulme, M., 1991

"An intercomparison of model and observed global precipitation climatologies."

Geophysical Research Letters 18, 1715-1718 (R)

(keywords: modelling observations global precipitation methodology)

Hulme, M., 1991

"Global warming."

Progress in Physical Geography 15, 310-318 (R)

(keywords: global warming)

Hulme, M. and Jones, P.D., 1991

"Temperatures and windiness over the United Kingdom during the winters of 1988/89 and 1989/90 compared to previous years."

Weather 46, 126-135 (R)

(keywords: temperature wind UK energy speeds exceptional events historical)

Hulme, M. and Trilsbach, A., 1991

"Rainfall trends and rural changes in Sudan since Nimeiri."

In: Sudan after Nimeiri (Ed. P. Woodward), pp.1-18 Routledge/SOAS, London. 223pp.

(keywords: rainfall precipitation agriculture Sudan Africa impacts climate change)

Jickells, T.D., Yaaqub, R.R., Kane, M.M., Rendell, A., Davies, T.D. and others., 1991

"Atmospheric inputs to the North Sea: a progress report."

In: Proc. EUROTRAC Symp. 90 (Eds. P. Burrell et al.), pp.85-86 SPB Academic Publishing bv., The Hague, Netherlands.

(keywords: atmospheric chemistry oceanography pollution)

Jones, P.D., 1991

"Global temperature variations since 1861."

In: Long-term Variability of Pelagic Fish Populations and their Environment - Proc. International Symposium, Sendai, Japan, November 1989 (Eds. T. Kawasaki et al), pp.1-17 Pergamon Press. (R)

(keywords: global temperature historical records observations reconstructions)

Jones, P.D., 1991

"Southern Hemisphere sea-level pressure data: an analysis and reconstructions back to 1951 and 1911."

International Journal of Climatology 11, 585-607 (R)

(keywords: SH sea level pressure datasets historical records reconstructions)

Jones, P.D. and Wigley, T.M.L., 1991

"Recent global warmth during the 1980s and 1990."

In: Proc. Fifteenth Annual Climate Diagnostics Workshop (Ed. D.R. Rodenhuis), pp.344-349 NOAA, U.S. Dept. of Commerce.
(keywords: global warming climate change impacts)

Jones, P.D. and Wigley, T.M.L., 1991

"The global temperature record for 1990."

DoE Research Summary 10 (April), Carbon Dioxide Information Analysis Center, Environmental Sciences Division, Oak Ridge National Laboratory, Tennessee. (R)

(keywords: global temperature climate change)

Jones, P.D., Raper, S.C.B., Cherry, B.S.G., Goodess, C.M., Wigley, T.M.L., Santer, B., Kelly, P.M., Bradley, R.S. and Diaz, H.F., 1991

"An Updated Global Grid Point Surface Air Temperature Anomaly Data Set: 1851-1990."

ORNL/CDIAC-37, NDP-020/R1, Environmental Sciences Division Publication No.3520. Oak Ridge National Laboratory.

(keywords: surface air temperature datasets historical records observations)

Jones, P.D., Wigley, T.M.L. and Farmer, G., 1991

"Marine and land temperature data sets: a comparison and a look at recent trends."

In: Proc. Workshop on Greenhouse-gas-induced Climatic Change: A Critical Appraisal of Simulations and Observations, Amherst. (and) in: Greenhouse-Gas-Induced Climatic Change: a Critical Appraisal of Simulations and Observations (Ed. M.E. Schlesinger). Elsevier Science Publishers B.V., Amsterdam. (R)

(keywords: datasets temperature marine land methodology)

Jones, P.D., Wigley, T.M.L. and Farmer, G., 1991

"Marine and land temperature data sets: a comparison and a look at recent trends."

In: Greenhouse-Gas-Induced Climatic Change: A Critical Appraisal of Simulations and Observations (Ed. M.E. Schlesinger), pp.153-172 Elsevier Science Publishers, Amsterdam. (R)

(keywords: marine land temperature datasets methodology trends)

Kelly, P.M., 1991

"Global warming: implications for the Thames Barrier and associated defenses."

In: Impact of Sea Level Rise on Cities and Regions (Ed. R. Frassetto), pp.93-98 Marsilio, Venice. (R)

(keywords: global warming sea level impacts climate change UK Europe)

Kelly, P.M. and Farmer, G., 1991

"Detecting global warming."

In: A Change in the Weather - African Perspectives on Climatic Change (Eds. S.H. Ominde and C. Juma), pp.61-75 African Centre for Technology Studies, Nairobi, Kenya.

(keywords: global warming detection modelling statistics methodology)

Kington, J.A., 1991

"The application of synoptic weather mapping to historical climatology, with particular reference to the period 1780-1820."

In: Historical Climatology in Different Climatic Zones (Eds. R. Glaser and R. Walsh), pp.111-125 Wurzbürger Geographisches Arbeiten 80, 111-125.

(keywords: weather cartography graphics historical climate change methodology)

Kington, J.A., 1991

"Rime not hoar frost."

Weather 46 (letter to Editor), p.292

(keywords: weather)

Lal, M. and Holt, T., 1991

"Ozone depletion due to increasing anthropogenic trace gas emissions: role of stratospheric chemistry and implications for future climate."

Climate Research 1, 85-95 (R)

(keywords: ozone pollution atmospheric impacts stratosphere chemistry)

Lamb, H.H., 1991

"Historic Storms of the North Sea, British Isles and Northwest Europe."

204pp Cambridge University Press.

(keywords: UK Europe storms regional oceanography book historical records)

Lamb, H.H., 1991

"British Isles daily wind and weather patterns 1588, 1781-86, 1972-91 and shorter early sequences (in 1532, 1570 and others years, notably 1688, 1689, 1694, 1697, 1703, 1717, 1783-4, 1791, 1792, 1795, 1822, 1825, 1829, 1845, 1846, 1849, 1850, 1854-5."

Climate Monitor 20, 47-70 Climatic Research Unit, University of East Anglia, Norwich, U.K.

(keywords: UK Europe daily wind meteorological observations historical records instrumental)

Lim, B., Jickells, T.D. and Davies, T.D., 1991
“*Sequential sampling of particles, major ions and total trace metals in wet deposition.*”
Atmospheric Environment 25A(3/4), 745-762
(keywords: deposition precipitation chemistry pollution impacts)

Low, P.S. and Kelly, P.M., 1991
“*Global warming and climatic change: African perspectives.*”
Interdisciplinary Science Reviews 16, 207-210
(keywords: global warming climate change Africa impacts)

Low, P.S., Davies, T.D. and Kelly, P.M., 1991
“*European Surface Ozone Data Manual. (First Edition)*”
National Power Contract No.LC/3/0030. Climatic Research Unit, School of Environmental Sciences, University of East Anglia, Norwich, UK.
(keywords: surface ozone datasets Europe methodology)

Low, P.S., Davies, T.D., Kelly, P.M. and Reiter, R., 1991
“*Uncertainties in surface ozone trend at Hohenpeissenberg.*”
Atmospheric Environment 25A, 511-515 (R)
(keywords: surface ozone trends Europe Germany pollution observations)

Maupetit, F. and Davies, T.D., 1991
“*Chemical composition and fluxes of wet deposition at elevated sites in the eastern Alps.*”
In: Seasonal snowpacks: processes of compositional change (Eds. T.D. Davies, M. Tranter, H.G. Jones), pp.299-302 Springer-Verlag
(keywords: chemistry deposition snow precipitation)

Ogilvie, A.E.J., 1991
“*Climatic Changes in Iceland A.D.c.865 to 1598.*”
Acta Archaeologica 61, 233-251 (R)
(keywords: climate change Europe Iceland historical records)

Palutikof, J.P., 1991
“*Road Accidents and the Weather.*”
Ch.8 in: Highway Meteorology (Eds. A.H. Perry and L.J. Symons), pp.163-189 E & F Spon, an imprint of Chapman and Hall, London. (R)
(keywords: meteorology transport impacts climate change exceptional events)

Palutikof, J.P. and Goodess, C.M., 1991
“*Analogue scenarios of future climates of the UK.*”
In: Proceedings of the International Workshop on Future Climate Change and Radioactive Waste Disposal, Norwich, November 1989. pp.225-245 Nirex Safety Series, NSS/R257.
(keywords: scenarios forecasting UK radioactive waste book climate change)

Palutikof, J.P., Guo, X. and Halliday, J.A., 1991
“*Climate variability and the UK wind resource.*”
In: Wind Energy: Technology and Implementation (Eds. F.J.L. van Hulle, P.T. Smulders and J.B. Dragt), pp.342-346 Elsevier, Amsterdam.
(keywords: climate change UK wind energy speed Europe impacts)

Palutikof, J.P., Guo, X. and Halliday, J.A., 1991
“*The reconstruction of long wind speed records in the UK.*”
In: Wind Energy Conversion 1991 (Eds. D.C. Quarton and V.C. Fenton), pp.275-280 Mechanical Engineering Publications, London.
(keywords: wind datasets UK historical records observations reconstructions)

Parker, D.E. and Jones, P.D., 1991
“*Global warmth in 1990.*”
Weather 46, 302-310
(keywords: global warming climate change)

Pomeroy, J.W., Davies, T.D. and Tranter, M., 1991
“*The impact of blowing snow on snow chemistry.*”
In: Seasonal snowpacks: processes of compositional change (Eds. T.D. Davies, M. Tranter, H.G. Jones), pp.71-114 Springer-Verlag
(keywords: snow chemistry impacts)

Pomeroy, J.W., Davies, T.D. and Tranter, M., 1991
“*Relationships between snow chemistry and blowing snow: initial findings.*”

In: Northern Hydrology: Selected Perspectives; Proc. Northern Hydrology Symp., 10-12 July 1990, Saskatoon (Eds. T. Prowse & C. Ommanney), pp.277-292 NHRI Symp, No. 6, National Hydrology Research Institute, Environment Canada, Saskatoon, Canada.

(keywords: snow chemistry impacts methodology)

Raper, S.C.B. and Wigley, T.M.L., 1991

"Short-term global mean temperature and sea level change."

In: Proc. International Workshop on Future Climate Change and Radioactive Waste Disposal, Norwich, November 1989. pp.203-213 Nirex Safety Series, NSS/R257.

(keywords: global temperature sea level radioactive waste)

Santer, B.D., Wigley, T.M.L., Jones, P.D. and Schlesinger, M.E., 1991

"Multivariate methods for the detection of greenhouse-gas-induced climate change."

In: Greenhouse-Gas-Induced Climatic Change: A Critical Appraisal of Simulations and Observations (Ed. M.E. Schlesinger), pp.511-536 Elsevier Science Publishers, Amsterdam. (R)

(keywords: greenhouse climate change impacts methodology statistics detection)

Schweingruber, F.H., Briffa, K.R. and Jones, P.D., 1991

"Yearly maps of summer temperatures in western Europe from A.D.1750 to 1975 and western North America from 1600 to 1982."

Vegetatio 92, 5-71 (R)

(keywords: temperatures Europe USA historical records observations USA atlas)

Warrick, R.A., 1991

"Future changes in climate and sea level."

In: The Potential Effects of Climate Change in the United Kingdom, U.K. Climate Change Impacts Review Group, pp.3-13 H.M.S.O., London.

(keywords: climate change sea level forecasting scenarios impacts)

Warrick, R.A., 1991

"Future climate and sea level change: certainties, uncertainties and shades of grey."

In: Proc. IUCN General Assembly Workshop on the Environmental Implications of Global Change, 29 Nov.-5 Dec. 1990, Perth, Australia. IUCN, Geneva.

(keywords: climate change sea level forecasting scenarios impacts)

Warrick, R.A., 1991

"Sea level change and the climatic connection: past and future."

In: Climatic Change and Impacts: A General Introduction (Eds. R. Fantechi, G. Maracchi and M.E.F. de Almeida-Teixeira). Office for Official Publications of the European Communities, Luxembourg.

(keywords: sea level climate change historical forecasting scenarios)

Warrick, R.A. and Barrow, E.M., 1991

"Climate change scenarios for the UK."

Transactions, Institute of British Geographers 16, 387-399 (R)

(keywords: climate change scenarios UK)

Wigley, T.M.L., 1991

"A simple inverse carbon cycle model."

Global Biogeochemical Cycles 5, 373-382 (R)

(keywords: modelling CO2 statistics pollution climate change methodology)

Wigley, T.M.L., 1991

"Climate variability on the 10-100 year time scale: observations and possible causes."

In: Global Changes of the Past (Ed. R.S. Bradley), pp.83-101 UCAR/Office for Interdisciplinary Earth Studies, Boulder, Colorado. (R)

(keywords: climate change observations historical records reconstructions)

Wigley, T.M.L., 1991

"Could reducing fossil fuel emissions cause global warming?"

Nature 349, 503-506 (R)

(keywords: pollution global warming CO2 impacts)

Wigley, T.M.L. and Raper, S.C.B., 1991

"Detection of the enhanced greenhouse effect on climate."

In: Climate Change: Science, Impacts and Policy. Proc. 2nd World Climate Conference (Eds. J. Jager and H.L. Ferguson), pp.231-242 Cambridge University Press. (R)

(keywords: greenhouse climate change detection statistics methodology)

Wigley, T.M.L. and Raper, S.C.B., 1991

"Internally generated variability of global-mean temperatures."

In: Greenhouse-Gas-Induced Climatic Change: A Critical Appraisal of Simulations and Observations (Ed. M.E. Schlesinger), pp.471-482 Elsevier Science Publishers, Amsterdam. (R)
(keywords: global temperature climate change)

Yaaqub, R.R., Davies, T.D., Jickells, T.D. and Miller, J.M., 1991
“*Trace elements in daily collected aerosols at a site in southeast England.*”
Atmospheric Environ. 25(A), 985-996
(keywords: chemistry aerosols UK air pollution)

1990

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1990
“*Prediction of offshore wind speeds - a comparison of methods.*”
In: Wind Energy Conversion 1990, Proc. 12th British Wind Energy Association Conference (Eds. T.D. Davies, J.A. Halliday and J.P. Palutikof), pp.93-100 Mechanical Engineering Publications Ltd., London.
(keywords: wind energy forecasting methodology book predictions)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1990
“*The potential for UK offshore wind power production.*”
In: Windpower 90: Proc. American Wind Energy Assoc. Conf. 1990, pp.278-286 American Wind Energy Assoc., Washington, DC.
(keywords: wind energy power offshore methodology)

Bretherton, F.P., Bryan, K. and Woods, J.D. (contributing author list includes T.M.L. Wigley and eight others), 1990
“*Time-dependent greenhouse-gas-induced climate change.*”
In: Climate Change: The IPCC Scientific Assessment (Eds. J.T. Houghton, G.J. Jenkins and J.J. Ephraums), pp.173-194 Cambridge University Press.
(keywords: greenhouse warming global climate change)

Briffa, K.R. and Cook, E.R., 1990
“*Methods of response function analysis.*”
Chap.5, section 5.6, pp.240-248 in: Methods of Dendrochronology . Applications in the Environmental Sciences (Eds. E.R. Cook and L.A. Kairiukstis), Kluwer, Dordrecht. (R)
(keywords: statistics methodology dendro tree rings)

Briffa, K.R. and Jones, P.D., 1990
“*Basic chronology statistics and assessment.*”
In: Methods of Dendrochronology: Applications in the Environmental Sciences (Eds. E.R. Cook and L.A. Kairiukstis), pp.137-152 International Institute for Applied Systems Analysis (IIASA). Kluwer Academic Publishers, Dordrecht. (R)
(keywords: dendro methodology tree rings statistics evaluation)

Briffa, K.R., Bartholin, T.S., Eckstein, D., Jones, P.D., Karlen, W., Schweingruber, F.H. and Zetterberg, P., 1990
“*A 1,400-year tree-ring record of summer temperatures in Fennoscandia.*”
Nature 346, 434-439 (R)
(keywords: tree rings Europe temperature historical dendro records)

Briffa, K.R., Jones, P.D. and Kelly, P.M., 1990
“*Principal component analysis of the Lamb catalogue of daily weather types: Part 2, Seasonal frequencies and an update to 1987.*”
International Journal of Climatology 10, 549-563 (R)
(keywords: statistics LWTs methodology)

Cook, E., Briffa, K.R., Shiyatov, S. and Mazepa, V., 1990
“*Tree Ring Standardization and Growth-Trend Estimation.*”
In: Methods of Dendrochronology Applications in the Environmental Sciences (Ed. E.R. Cook and L.A. Kairiukstis), pp.104-123 Kluwer Academic Publishers, Dordrecht. (R)
(keywords: dendro tree rings)

Cook, E.R. and Briffa, K.R., 1990
“*A comparison of some tree-ring standardization methods.*”
In: Methods of Dendrochronology (Eds. E.R. Cook and L.A. Kairiukstis), pp.104-123 Kluwer, Dordrecht.
(keywords: tree ring statistics methodology evaluation)

Cook, E.R., Briffa, K.R., Shiyatov, S.G. and Mazepa, V.S., 1990
“*Tree-ring standardization and growth-trend estimation.*”

In: *Methods of Dendrochronology* (Eds. E.R. Cook and L.A. Kairiukstis), pp.104-123 Kluwer, Dordrecht.
(keywords: tree ring statistics methodology predictions trends)

Davies, T.D., Barthelmie, R.J., Varley, M., Dorling, S., Farmer, G. and Schaugh, J., 1990
“*European Precipitation Chemistry Atlas, Volume 2.*”
EMEP/CCC-Report 6/90, 167pp Norwegian Institute for Air Research, Lillestrøm, Norway.
(keywords: precipitation Europe chemistry book atlas)

Davies, T.D., Farmer, G. and Barthelmie, R.J., 1990
“*Use of simple daily atmospheric circulation types for the interpretation of precipitation composition at a site (Eskdalemuir) in Scotland, 1978-1984.*”
Atmospheric Environment 24(A), 63-72 (R)
(keywords: atmospheric LWTs precipitation UK chemistry pollution circulation Scotland Europe)

Davies, T.D., Halliday, J.A. and Palutikof, J.P. (Eds.), 1990
“*Wind Energy Conversion 1990. Proceedings of the 12th British Wind Energy Association Conference Norwich 27 - 30 March 1990.*”
346pp Mechanical Engineering Publications Ltd., London. ISBN 0 85298 746.
(keywords: wind energy book speed)

Davies, T.D., Kelly, P.M., Low, P.S. and Pierce, C.E., 1990
“*Surface ozone in Europe: trends and links to atmospheric circulation.*”
Final Report CEEB contract R21.4.4. 244/TD, 326pp.
(keywords: ozone surface pollution atmospheric circulation Europe impacts)

Goodess, C., Palutikof, J. and Davies, T.D., 1990
“*Climatic Change and its implications for radioactive waste disposal facilities.*”
Climatic Change 16, 115-140
(keywords: climate change impacts waste radioactive pollution)

Goodess, C.M., 1990
“*Review of Earth's Changing Climate and Our Drowning World, by A. Milne.*”
Meteorological Magazine 119, 172-173
(keywords: climate change sea level impacts)

Goodess, C.M. and Palutikof, J.P., 1990
“*Western European regional climate scenarios in a high greenhouse gas world and agricultural impacts.*”
In: *Expected Effects of Climatic Change on Marine Coastal Ecosystems* (Eds. J.J. Beukema, W.J. Wolff and J.J.W.M. Brouns), pp.23-32 Kluwer Academic, Dordrecht.
(keywords: Europe regional climate change scenarios greenhouse agriculture impacts)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1990
“*A first approach to assessing future climate states in the UK over very long timescales: input to studies of the integrity of radioactive waste repositories.*”
Climatic Change 16, 115-139 (R)
(keywords: climate change forecasting UK radioactive waste)

Guo, X. and Palutikof, J.P., 1990
“*A study of two mass-consistent models: problems and possible solutions.*”
Boundary-Layer Meteorology 53, 303-332 (R)
(keywords: modelling climate change methodology evaluation)

Hulme, M., 1990
“*Global climate change in the Nile Basin.*”
pp.59-82 in: *The Nile, Resource Evaluation, Resource Management, Hydropolitics and Legal Issues* (Eds. P.P. Howell and J.A. Allan), 238pp Centre of Near and Middle-Eastern Studies, SOAS, London.
(keywords: global climate change Egypt hydrology water)

Hulme, M., 1990
“*Global warming in the twenty-first century: an issue for less developed countries.*”
Science, Technology and Development 8(1), 3-21 (Journal of the Third World Science, Technology and Development Forum).
(R)
(keywords: global warming climate change predictions forecasting impacts)

Hulme, M., 1990
“*Rainbows in the greenhouse.*”
Third Way, May 22-24.
(keywords: greenhouse warming)

Hulme, M., 1990
“*The application of seasonal rainfall forecasts for Africa.*”
Disasters 14, 171-172
(keywords: rainfall forecasting Africa precipitation methodology)

Hulme, M., 1990
“*The changing rainfall resources of Sudan.*”
Trans. Inst. Br. Geogr. N.S. 15, 21-34 (R)
(keywords: rainfall Sudan Africa precipitation climate change)

Hulme, M. (Ed.), 1990
“*Seasonal Rainfall Forecasting for Africa: Recommendations for Forecast Development, Implementation and Impact Assessment.*”
Report prepared for the Natural Resources Institute, ODA, 111pp Climatic Research Unit, Norwich
(keywords: rainfall forecasting Africa precipitation predictions impacts)

Hulme, M. and Marsh, R., 1990
“*Global Mean Monthly Humidity Surfaces for 1930-89 and Projected for 2030.*”
Report prepared for UNEP/GEMS/GRID (Nairobi), 74pp Climatic Research Unit, Norwich.
(keywords: global humidity surface forecasting forecasting predictions climate change)

Hulme, M., Wigley, T.M.L. and Jones, P.D., 1990
“*Limitations of regional climate scenarios for impact analysis.*”
In: Landscape-Ecological impact of climatic change (Eds. M.M. Boer and R.S. de Groot), pp.111-129 IOS Press, Amsterdam. (R)
(keywords: regional climate scenarios impacts evaluation statistics)

Irwin, J.G., Campbell, G.W., Cope, J.N., Clark, P.A., Davies, T.D. and others., 1990
“*Acid deposition in the United Kingdom 1986-1988.*”
Department of Environment, UK, 123pp.
(keywords: acid rain deposition pollution precipitation UK Europe)

Jones, P.D., 1990
“*Antarctic temperatures over the present century - a study of the early expedition record.*”
Journal of Climate 3, 1193-1203 (R)
(keywords: Antarctic temperature historical records observations)

Jones, P.D., 1990
“*Le climat des mille dernieres annees.*”
La Recherche 21, 304-312 (in French). (R)
(keywords: climate change historical records proxy observations)

Jones, P.D., 1990
“*Possible future environmental change.*”
In: Methods of Dendrochronology: Applications in the Environmental Sciences (Eds. E.R. Cook and L.A. Kairiukstis), pp.337-340 Kluwer Academic Publishers.
(keywords: forecasting climate change methodology predictions impacts)

Jones, P.D., 1990
“*The climate of the past 1000 years.*”
Endeavour New Series 14, 129-136 (R)
(keywords: climate change historical records observations statistics)

Jones, P.D., 1990
“*Variations in temperature and precipitation on a hemispheric and global scale.*”
Weather Service Bulletin 57, 141-155 Japan Meteorological Agency (in Japanese).
(keywords: temperature precipitation global climate change)

Jones, P.D. and Hulme, M., 1990
“*Temperatures and sunshine duration over the United Kingdom during the period May to October 1989 compared to previous years.*”
Weather 45, 430-437 (R)
(keywords: temperature solar UK Europe climate change global warming)

Jones, P.D. and Wigley, T.M.L., 1990
“*Global warming trends.*”
Scientific American 263, 84-91 (R)
(keywords: global warming trends climate change)

Jones, P.D. and Wigley, T.M.L., 1990
“*Satellite data under scrutiny.*”
Nature 344 (News and Views), p.711 (R)
(keywords: satellite datasets data evaluation)

Jones, P.D., Groisman, P.Ya., Coughlan, M., Plummer, N., Wang, W-C. and Karl, T.R., 1990
“*Assessment of urbanization effects in time series of surface air temperature over land.*”
Nature 347, 169-172 (R)
(keywords: datasets surface air temperature land methodology global warming)

Kelly, P.M., 1990
“*Greenhouse Effect.*”
In: Proc. 'Automotive and Industrial Fuel Combustion - Environmental and Health Implications' (Eds. J. Brothwood and A. Fish), London, November 22 1989, pp.107-114 Institute of Petroleum, London.
(keywords: greenhouse warming impacts CO2)

Kelly, P.M., 1990
“*Halting Global Warming (Ed. J. Leggett).*”
Report prepared for Greenpeace International, Amsterdam, in the Climate in Crisis series, 46pp Oxford University Press.
(keywords: global warming greenhouse impacts CO2 pollution)

Kelly, P.M. and Farmer, G., 1990
“*Detecting global warming.*”
In: A Change in the Weather: African Perspectives on Climatic Change, Proc. Nairobi Conference, May 2-4 1990 (Eds. S.H. Ominde and C. Juma), pp.61-75 ACTS, Nairobi. (R)
(keywords: global warming greenhouse detection methodology statistics)

Kelly, P.M. and Wigley, T.M.L., 1990
“*The influence of solar forcing trends on global mean temperature since 1861.*”
Nature 347, 460-462 (R)
(keywords: solar trends global temperature historical records observations impacts)

Landsberger, S., Davies, T.D. and Tranter, M., 1990
“*Trace metal and rare earth content of black precipitation events.*”
Energy Sources 12, 363-369
(keywords: chemistry precipitation pollution)

Low, P.S., Davies, T.D., Kelly, P.M. and Farmer, G., 1990
“*Trends in surface ozone at Hohenpeissenberg and Arkona.*”
Journal of Geophysical Research 95, 22441-22453 (R)
(keywords: ozone surface Germany Europe datasets pollution trends)

Low, P.S., Davies, T.D., Kelly, P.M. and Farmer, G., 1990
“*Trends in surface ozone at Hohenpeissenberg and Arkona*”
Journal of Geophysical Research 95, 22441-22453
(keywords: ozone Germany Europe)

Nicholson, K.W. and Davies, T.D., 1990
“*Sulphate in atmospheric particulate at five sites in Norwich (UK): use of National Survey archive filters.*”
Atmospheric Environment 24(B), 329-334
(keywords: atmospheric chemistry UK regional methodology)

Palutikof, J.P., 1990
“*Recent storms over the UK: The greenhouse effect or natural variability?*”
In: Chatset Directory of Lloyd's of London 1990 (Eds. J. Rew and C. Sturge), pp.70-73
(keywords: storms UK greenhouse warming impacts exceptional events)

Palutikof, J.P. and Guo, X., 1990
“*Climatic Change Scenarios for the U.K. Part 1: Scenarios of Mean Wind Speeds and Maximum Gust Speeds in a High Greenhouse Gas World.*”
Final Report to the Institute of Hydrology, 116pp Climatic Research Unit, University of East Anglia, Norwich.
(keywords: climate change scenarios UK wind greenhouse warming speed energy forecasting warming)

Palutikof, J.P., Cook, H.F. and Davies, T.D., 1990
“*Effects of geographical dispersion on wind turbine performance in England: a simulation.*”
Atmospheric Environment 24A, 213-227 (R)
(keywords: wind energy speed UK turbines Europe methodology)

Palutikof, J.P., Guo, X. and Barthelmie, R.J., 1990

“Wind energy and the greenhouse effect.”

In: Wind Energy Conversion 1990, Proc. 12th British Wind Energy Association Conference (Eds. T.D. Davies, J.A. Halliday and J.P. Palutikof), pp.123-128 Mechanical Engineering Publications Ltd., London.

(keywords: wind energy greenhouse warming impacts)

Santer, B.D. and Wigley, T.M.L., 1990

“Regional validation of means, variances and spatial patterns in General Circulation Model control runs.”

Journal of Geophysical Research 95, 829-850 (R)

(keywords: regional GCMs statistics modelling)

Santer, B.D., Wigley, T.M.L., Schlesinger, M.E. and Mitchell, J.F.B., 1990

“Developing climate scenarios from equilibrium GCM results.”

Max-Planck-Institut für Meteorologie Report No. 47, 29pp Hamburg.

(keywords: climate scenarios GCMs modelling methodology statistics)

Shine, K., Derwent, R.G., Wuebbles, D.J. and Morcrette, J.-J. (contributing author list includes T.M.L. Wigley and 14 others), 1990

“Radiative forcing in Climate.”

In: Climate Change: The IPCC Scientific Assessment (Eds. J.T. Houghton, G.J. Jenkins and J.J. Ephraums), pp.41-68 Cambridge University Press.

(keywords: solar climate change impacts)

Turner, R.K., Kelly, P.M. and Kay, R., 1990

“Cities at Risk.”

Bureau of National Affairs, London.

(keywords: sea level climate change global warming CO2 UK Europe)

Warrick, R. and Oerlemans, J. (with others), 1990

“Sea Level Rise.”

In: Climate Change, the IPCC Scientific Assessment (Eds. J.T. Houghton, G.J. Jenkins and J.J. Ephraums), pp.263-281

Cambridge University Press. (R)

(keywords: sea level climate change impacts)

Warrick, R.A., 1990

“Climate change and the developing world.”

IUCN Bulletin 21, 26-27

(keywords: climate change impacts global warming political social agriculture)

Warrick, R.A., 1990

“Climatic implications of reducing greenhouse gas emissions.”

In: Proc. 56th Annual Conference of the National Society for Clean Air and Environmental Protection, Scarborough, 23-26 October 1989. NSCA, Brighton, UK. (R)

(keywords: climate change greenhouse impacts political social economics)

Warrick, R.A. and Barrow, E.M., 1990

“Climate and sea level change: a perspective.”

Outlook on Agriculture 19(1), 5-8 (R)

(keywords: climate change sea level)

Warrick, R.A. and Farmer, G., 1990

“The greenhouse effect, climatic change and rising sea level: implications for development.”

Trans. Inst. Br. Geogr. N.S. 15, 5-20 (R)

(keywords: greenhouse warming climate change sea level impacts)

Warrick, R.A. and Oerlemans, J. (with others), 1990

“Sea Level Rise.”

In: Climate Change: The IPCC Scientific Assessment (Eds. J.T. Houghton, G.J. Jenkins and J.J. Ephraums), pp.263-281

Cambridge University Press, Cambridge. (R)

(keywords: sea level impacts global warming climate change)

Warrick, R.A. and Wilkinson, A., 1990

“The enhanced greenhouse effect.”

In: The effects of sea-level rise on the UK coast (Eds. L.E.J. Roberts and R.C. Kay). UEA Environmental Risk Assessment Unit Report 7, National PowerGen contract CON/6010107/vs Final Report. School of Environmental Sciences, University of East Anglia, Norwich.

(keywords: greenhouse impacts global warming sea level UK CO2)

Warrick, R.A., Barrow, E.M. and Wigley, T.M.L., 1990

"The Greenhouse Effect and its Implications for the European Community."

EUR 12707 EN, 30pp Commission of the European Communities, Luxembourg. (Reprints of title sheets only.) (R)

(keywords: greenhouse impacts Europe climate change agriculture global warming)

Wigington, P.J., Davies, T.D., Tranter, M. and Eshleman, K.N., 1990

"Episodic acidification of surface waters due to acidic deposition."

In: State of Science and State of Technology Summary Compendium. National Acid Precipitation Assessment Program, January 1990, Washington, D.C.

(keywords: acid rain hydrology deposition pollution)

Wigley, T.M.L., 1990

"Climate's catch-22."

Physics World 3, 119-20 (R)

(keywords: climate change)

Wigley, T.M.L., 1990

"The greenhouse effect: scientific assessment of climate change."

In: Uranium and Nuclear Energy: 1989, pp.92-115 The Uranium Institute, London. (R)

(keywords: greenhouse impacts climate change methodology)

Wigley, T.M.L. and Barnett, T.P., 1990

"Detection of the greenhouse effect in the observations."

In: Climate Change, the IPCC Scientific Assessment (Eds. J.T. Houghton, G.J. Jenkins and J.J. Ephraums), pp.239-256 Cambridge University Press. (R)

(keywords: detection greenhouse warming CO2 observations)

Wigley, T.M.L. and Kelly, P.M., 1990

"Holocene climatic change, 14C wiggles and variations in solar irradiance."

Phil. Trans. R. Soc. Lond. A. 330, 547-650 (R)

(keywords: climate change CO2 solar trends cycles historical records proxy)

Wigley, T.M.L. and Raper, S.C.B., 1990

"Climatic change due to solar irradiance changes."

Geophysical Research Letters 17, 2169-2172 (R)

(keywords: climate change solar cycles trends)

Wigley, T.M.L. and Raper, S.C.B., 1990

"Natural variability of the climate system and detection of the greenhouse effect."

Nature 344, 324-327 (R)

(keywords: climate change detection greenhouse warming)

Wigley, T.M.L. and Santer, B.D., 1990

"Statistical comparison of spatial fields in model validation, perturbation and predictability experiments."

Journal of Geophysical Research 95, 851-865 (R)

(keywords: statistics modelling forecasting methodology)

Wigley, T.M.L., Jones, P.D., Briffa, K.R. and Smith, G., 1990

"Obtaining sub-grid scale information from coarse-resolution General Circulation Model output."

Journal of Geophysical Research 92, 1943-1953 (R)

(keywords: GCMs modelling methodology statistics scenarios)

Wilkinson, A. and Warrick, R.A., 1990

"Sea level rise predictions."

In: The Effects of Sea-Level Rise on the UK Coast (Eds. L.E.J. Roberts and R.C. Kay). UEA Environmental Risk Assessment Unit Report 7. National Power/PowerGen Contract CON/60107/VS Final Report, School of Environmental Sciences, University of East Anglia, Norwich.

(keywords: sea level forecasting predictions global warming impacts)

1989

Abrahams, P.W., Davies, T.D., Tranter, M. and Blackwood, I.L., 1989

"Geochemical studies in a remote Scottish upland catchment. II. Streamwater chemistry during snowmelt."

Water, Air and Soil Pollution 43(3/4), 231-249

(keywords: chemistry Scotland snow precipitation)

Barthelmie, R.J., Palutikof, J.P. and Davies, T.D., 1989
“*The North Norfolk Wind Monitoring Project: preliminary results.*”
In: Proc. European Wind Energy Conference '89, pp.915-919 Peter Peregrinus Ltd.
(keywords: wind energy speed UK methodology regional)

Bass, J., Halliday, J., Palutikof, J.P. and Davies, T.D., 1989
“*A simple, non-modelling methodology for the prediction of wind speeds at a candidate wind turbine site.*”
In: Wind Speed Estimation at Potential Wind Turbine Sites (Ed. T.D. Davies), pp.59-104 ETSU-N-114. Energy Technology Support Unit, Harwell, Oxfordshire OX11 0RA.
(keywords: methodology wind speed energy)

Briffa, K.R., Wigley, T.M.L., Davies, T.D., Landsberger, S., Schweingruber, F.H. and Johansson, S., 1989
“*Sitka Spruce Decline, Afan 1 Forest, South Wales: Chemical, Wood Density and Ring-width Analyses.*”
Final Report to N.E.R.C. - Contract No.GR3/6403A, 157pp Climatic Research Unit, University of East Anglia, Norwich.
(keywords: dendro tree rings UK regional methodology)

Clayton, K.M., Penkett, S.A., Wigley, T.M.L. and Warrick, R.A., 1989
“*Minutes of evidence to House of Lords Select Committee on Science and Technology (Sub-committee II).*”

Davies, T.D., 1989
“*As pure as the driven snow?*”
New Scientist, No. 1659, 8 April 1989, 45-49
(keywords: snow pollution chemistry)

Davies, T.D., 1989
“*Episodic acidification of freshwaters in Europe.*”
EOS 70(43), 1122
(keywords: acid rain pollution impacts Europe)

Davies, T.D., 1989
“*Wind Speed Estimation at Potential Wind Turbine Sites.*”
ETSU-N-114, 179pp Energy Technology Support Unit, AERE Harwell, Oxfordshire OX11 0RA.
(keywords: wind speed energy methodology)

Davies, T.D. and Tranter, M., 1989
“*Studies of snow chemistry in the Scottish Highlands.*”
In: Proc. Eastern Snow Conference, 46th Ann. Meeting, June 8-9 Quebec City, Canada. ISBN 0-920081-12-6, pp.1-13
(keywords: snow chemistry pollution Scotland UK impacts)

Davies, T.D., Kelly, P.M., Farmer, G., Low, P.S., Barthelmie, R.J. and Pierce, C.E., 1989
“*Surface ozone concentrations in Europe: trends and climatological controls.*”
Presented at: Int. Conf. on the Generation of Oxidants on Regional and Global Scales. University of East Anglia, 3-7 July 1989.
(keywords: ozone Europe climate change surface trends pollution impacts)

Farmer, G., 1989
“*Rainfall.*”
In: The IUCN Sahel Studies, 1989, (Ed. M. Norton-Griffiths), pp.1-25 IUCN, Gland, Switzerland.
(keywords: rainfall precipitation water hydrology)

Farmer, G., 1989
“*The 1988 season in the Sahel.*”
Baobab 1, 24-25
(keywords: Africa historical regional)

Farmer, G. and Kelly, P.M., 1989
“*Evidence for climatic change.*”
In: Proc. 'A Conference on Global Climatic Change: Perspectives from Developing Countries', New Delhi, India, February 21-23, 1989, pp.47-58 Tata Energy Research Institute, New Delhi, India. (R)
(keywords: climate change historical records proxy tree rings)

Farmer, G. and Warrick, R.A., 1989
“*Agriculture in a changing climate.*”
Shell Agriculture 3, 4-7 (R)
(keywords: agriculture climate change impacts)

Farmer, G., Davies, T.D., Barthelmie, R.J. and Kelly, P.M., 1989
“*The control of atmospheric pressure patterns of sulphate concentrations in precipitation at Eskdalemuir, Scotland.*”
International Journal of Climatology 9, 181-189 (R)
(keywords: atmospheric pressure sulphate precipitation UK pollution Scotland UK)

Farmer, G., Davies, T.D., Barthelmie, R.J., Kelly, P.M. and Brimblecombe, P., 1989
“*The control by atmospheric pressure patterns of sulphate concentrations in precipitation at Eskdalemuir, Scotland.*”
Int. Journ. Climatol. 9, 181-189
(keywords: atmosphere pressure chemistry air Scotland precipitation UK)

Farmer, G., Wigley, T.M.L., Jones, P.D. and Salmon, M., 1989
“*Documenting and Explaining Recent Global-Mean Temperature Changes.*”
Report to the N.E.R.C., Contract No.GR3/6565, pp.141 Climatic Research Unit, University of East Anglia, Norwich.
(keywords: global warming temperature climate change methodology)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1989
“*Evaluation of extreme hydrological and meteorological events.*”
Final report prepared for the Nuclear Installations Inspectorate, 250pp. University of East Anglia, Norwich.
(keywords: hydrology impacts meteorology climate change)

Gribbin, J. and Kelly, P.M., 1989
“*Winds of Change. Living with the Greenhouse Effect.*”
Headway, Sevenoaks.
(keywords: greenhouse warming impacts book)

Hannah, P., 1989
“*Use of the MS3DJH/3R Model in the Prediction of Flow over Rough Terrain.*”
M.Sc. Dissertation, 53pp University of East Anglia, Norwich.
(keywords: wind speed energy modelling statistics prediction methodology)

Hulme, M., 1989
“*Is environmental degradation causing drought in the Sahel?*”
Geography 74, 38-46 (R)
(keywords: desertification Africa drought Sahel)

Hulme, M. (with A. Trilsbach), 1989
“*The August 1988 storm over Khartoum: its climatology and impact.*”
Weather 44, 82-90
(keywords: storms climate Africa impacts exceptional events)

Hulme, M. and Jones, P.D., 1989
“*Climate Change Scenarios for the U.K.*”
Report for the Institute of Hydrology, Contract No.F3CR05-C1-31-01, 87pp Climatic Research Unit, University of East Anglia, Norwich.
(keywords: climate change scenarios UK Europe)

Hulme, M. and Tosdevin, N., 1989
“*The tropical easterly jet and Sudan rainfall: a review.*”
Theor. Appl. Climatol. 39, 179-187 (R)
(keywords: wind Africa Sudan rainfall precipitation)

Jones, H.G., Tranter, M. and Davies, T.D., 1989
“*The leaching of strong acid anions from snow during rain-on-snow events: evidence for two component mixing.*”
In: Atmospheric Deposition, Proc. Baltimore Symposium, May 1989. pp.239-250 IAHS Publ. No. 179,
(keywords: chemistry precipitation snow pollution impacts)

Jones, P.D., 1989
“*Early instrumental data for the Southern Hemisphere - their usefulness for the reconstruction of climate.*”
4th International Meeting on Statistical Climatology (Ed. J. Sansom), pp.149-157 Rotorua, New Zealand Met. Service.
(keywords: observations datasets data SH reconstructions climate methodology)

Jones, P.D., 1989
“*Global temperature variations since 1861: The influence of the Southern Oscillation and a look at recent trends.*”
In: Proc. 28th Int. Conf. on 'Our Changing Atmosphere' (Eds. P.J. Crutzen, J.-C. Gerard and R. Zander), pp.287-314 Liege, Belgium.
(keywords: global warming temperature historical ENSO trends statistics historical records climate change)

Jones, P.D., 1989
“*Measuring the accuracy of areal precipitation estimates.*”
In: Precipitation Measurement (Ed. B. Sevruk), pp.267-270 WMO/IAHS/ETH Int. Workshop, St. Moritz, Switzerland.
(keywords: precipitation statistics methodology)

Jones, P.D., 1989
“*Regional, hemispheric and global scale precipitation estimates.*”

In: Precipitation Measurement (Ed. B. Sevruck), pp.513-518 WMO/IAHS/ETH Int. Workshop, St. Moritz, Switzerland.
(keywords: regional global precipitation NH SH)

Jones, P.D., 1989

"The influence of ENSO on global temperatures."

Climate Monitor 17, 80-89 Climatic Research Unit, University of East Anglia, Norwich. (R)

(keywords: ENSO global temperature impacts)

Jones, P.D., Kelly, P.M., Goodess, C.M. and Karl, T.R., 1989

"The effect of urban warming on the Northern Hemisphere temperature average."

Journal of Climate 2, 285-290 (R)

(keywords: global warming NH temperature impacts)

Karl, T.R. and Jones, P.D., 1989

"Urban bias in area-averaged surface air temperature trends."

Bulletin of the American Meteorological Society 70, 265-270 (R)

(keywords: surface air temperature trends)

Kelly, P.M., 1989

"Defence of the environment."

In: Pathways to International Security, pp.69-80 United Nations Assoc. of Great Britain and Professions for World Disarmament and Development, London.

(keywords: environment)

Kelly, P.M. and Granich, S., 1989

"The greenhouse effect."

Natural World 25, 6-8

(keywords: greenhouse warming impacts)

Kelly, P.M. and Karas, J.H.W., 1989

"Ice Accretion in the Barents Sea: Phase 3.2."

Report prepared for British Petroleum (London) Ltd and Statoil (Norway). Climatic Research Unit, Norwich.

(keywords: sea ice glaciology)

Kelly, P.M., Munro, M.A.R., Hughes, M.K. and Goodess, C.M., 1989

"Climate and signature years in west European oaks."

Nature 340, 57-60 (R)

(keywords: climate change dendro Europe tree rings proxy)

Kington, J.A., 1989

"Not surprisingly, thunderstruck - summer weather forecasts."

Country Life 183, p.142

(keywords: forecasting summer)

Kington, J.A., 1989

"The development of meteorology during the Enlightenment and the history of weather in the 1780s."

In: Transactions of the Seventh International Congress on the Enlightenment (Ed. H.T. Mason), pp.811-814 Voltaire Foundation at the Taylor Institution, Oxford.

(keywords: meteorology historical weather observations)

Landsberger, S., Davies, T.D., Tranter, M., Abrahams, P.W. and Drake, J.J., 1989

"The solute and particulate chemistry of background versus a polluted black snowfall on the Cairngorm Mountains, Scotland."

Atmospheric Environment 23(2), 395-401

(keywords: chemistry pollution snow Scotland UK acid rain)

Low, P.S., Moriarty, W.W. and Todd, J.J., 1989

"Complex air flows in the lower Tamar Valley, Tasmania: Some observations."

Atmospheric Environment 23, 1925-1938

(keywords: wind air Tasmania observations Australia)

Norton, D.A., Briffa, K.R. and Salinger, M.J., 1989

"Reconstruction of New Zealand summer temperatures to 1730 A.D. using dendroclimatic techniques."

International Journal of Climatology 9, 633-644 (R)

(keywords: New Zealand temperature reconstruction historical records dendro methodology)

Palutikof, J.P., Barthelmie, R.J., Bass, J., Halliday, J.A. and Davies, T.D., 1989

"Assessment of Wind Potential at Prospective Wind Energy Converter Sites."

Final Report to U.K. Dept. of Energy (in seven volumes). Climatic Research Unit, University of East Anglia, Norwich, and

Energy Research Unit, Rutherford Appleton Laboratory, Chilton.
(keywords: wind energy UK speed methodology)

Palutikof, J.P., Bass, J.H., Halliday, J.A., Davies, T.D. and Barthelmie, R.J., 1989
“*Estimation of the wind resource at proposed wind turbine sites: the problems of spatial and temporal variability.*”
EWEC'89 (Proc. European Wind Energy Conference), pp.901-905 Peter Peregrinus, London.
(keywords: wind speed energy UK turbines methodology)

Palutikof, J.P., Davies, T.D., Bass, J. and Halliday, J.A., 1989
“*A methodology for predicting wind speeds over hilly terrain.*”
In: Wind Speed Estimation at Potential Wind Turbine Sites (Ed. T.D. Davies), pp.105-113 ETSU-N-114 (Energy Technology Support Unit, Harwell, Oxfordshire).
(keywords: methodology forecasting wind speed energy book predictions)

Russell Jones, R. and Wigley, T.M.L. (Editors)., 1989
“*Ozone Depletion: Health and Environmental Consequences.*”
John Wiley and Sons Ltd., Chichester, 280pp
(keywords: ozone impacts environment health book pollution)

Varley, M.J., Davies, T.D., Benthams, C.G. and Palutikof, J.P., 1989
“*Local attitudes to three existing wind turbine sites in the UK.*”
In: Wind Energy and the Environment (Ed. D.T. Swift-Hook), pp.148-159 Peter Peregrinus, London. (R)
(keywords: wind speed energy UK turbines impacts)

Vincent, C.E., Davies, T.D., Brimblecombe, P. and Beresford, A.K.C., 1989
“*Lake levels and glaciers: Indicators of the changing rainfall in the mountains of East Africa.*”
In: Quaternary and Environmental Research on East African Mountains (Ed. Mahaney, W.C.), 483pp. A.A. Balkema, Rotterdam, ISBN 90 6191 794 8.
(keywords: hydrology lakes glaciology precipitation climate change)

Warrick, R.A., 1989
“*Report on Session IV: Expected Impacts.*”
In: Carbon Dioxide and Other Greenhouse Gases: Climatic and Associated Impacts (Eds. R. Fantechi and A. Ghazi). Kluwer Academic Publishers, Dordrecht.
(keywords: impacts CO2 greenhouse climate change global warming)

Warrick, R.A., 1989
“*Future climatic change and sea level.*”
Bollettino di Oceanologia Teorica ed Applicata VII, 257-259 (R)
(keywords: climate change forecasting sea level predictions)

Warrick, R.A. and Farmer, G., 1989
“*And now the outlook for the next forty years.*”
Lloyd's Log, June 1989, 14-17 unclassified
(keywords: forecasting predictions global warming climate change impacts)

Wigington, P.D., Davies, T.D., Tranter, M. and Eshleman, K.N., 1989
“*Episodic Acidification of Surface Waters due to Acidic Deposition.*”
State of Science/Technology Report 12, National Acid Precipitation Assessment Program, Washington, D.C. pp.278
(keywords: acid rain hydrology deposition chemistry impacts)

Wigley, T.M.L., 1989
“*Expected greenhouse-gas-induced climatic change: transient response and regional effects.*”
In: Carbon Dioxide and other Greenhouse Gases: Climatic and Associated Impacts (Eds. R. Fantechi and A. Ghazi), pp.168-174 Kluwer Academic Publishers, Dordrecht.
(keywords: greenhouse warming climate change regional impacts)

Wigley, T.M.L., 1989
“*Measurement and prediction of global warming.*”
In: Ozone Depletion: Health and Environmental Consequences (Eds. R. Russell Jones and T.M.L. Wigley), pp.85-97 John Wiley and Sons Ltd., Chichester. (R)
(keywords: forecasting global warming observations predictions detection CO2)

Wigley, T.M.L., 1989
“*Possible climate change due to SO₂-derived cloud condensation nuclei.*”
Nature 339, 365-367 (R)
(keywords: climate change SO₂ clouds physics)

Wigley, T.M.L., 1989

"Scientific assessment of climate change and its impacts."

In: Seminar on Climate Change (Presentations). UK Department of the Environment.

(keywords: climate change impacts methodology)

Wigley, T.M.L., Jones, P.D., Kelly, P.M. and Raper, S.C.B., 1989

"Statistical significance of global warming."

In: Proc. 13th Annual Climate Diagnostic Workshop (Ed. D.R. Rodenhuis), pp.A1-A8 NOAA, U.S. Dept. of Commerce.

(keywords: statistics global warming)

Wilkinson, A.J. and Warrick, R.A., 1989

"Greenhouse-gas Policy Model: User's Guide."

Final Report to CEGB (Contract Ref. 4391). Climatic Research Unit, University of East Anglia, Norwich.

(keywords: greenhouse modelling political policy)

1988

Abrahams, P.W., Tranter, M. and Davies, T.D., 1988

"The trace element composition of stream and melt-waters at times of the spring-thaw in the Scottish Highlands."

Environmental Geochemistry and Health 10, p.84

(keywords: chemistry hydrology glaciology Scotland UK)

Abrahams, P.W., Tranter, M., Davies, T.D., Blackwood, I.L. and Landsberger, S., 1988

"Trace element studies in a remote Scottish upland catchment. 1. Chemical composition of snow and meltwaters."

Water, Air and Soil Pollution 37, 255-271

(keywords: Scotland snow pollution chemistry UK)

Barthelmie, R.J., Davies, T.D., Farmer, G. and Schaug, J., 1988

"European Precipitation Chemistry Atlas. EMEP Cooperative programme for Monitoring and Evaluation of the Long Range Transmission of Air Pollutants in Europe."

EMEP/CCC Report 5/88, 251pp Norwegian Inst. for Air Research, P O Box 64, N-2001 Lillestrom, Norway.

(keywords: precipitation Europe book atlas pollution acid rain snow)

Briffa, K.R., Jones, P.D. and Schweingruber, F.H., 1988

"Summer temperature patterns in Europe: A reconstruction to 1750 based on maximum latewood density indices of conifers."

Quaternary Research 30, 36-52 (R)

(keywords: temperature statistics tree rings historical reconstruction proxy)

Briffa, K.R., Jones, P.D., Pilcher, J.R. and Hughes, M.K., 1988

"Reconstructing summer temperatures in northern Fennoscandia back to A.D.1700 using tree ring data from Scots Pine."

Arctic and Alpine Research 20, 385-394 (R)

(keywords: reconstruction temperature tree rings historical records proxy Europe)

Briffa, K.R., Jones, P.D., Pilcher, J.R. and Hughes, M.K., 1988

"Reconstructing summer temperatures in northern Fennoscandia back to A.D. 1700 using tree-ring data from Scots Pine."

Arctic and Alpine Research 20(4), 385-394 (R)

(keywords: tree rings Europe historical)

Brimblecombe, P., Clegg, S.L., Davies, T.D., Shooter, D. and Tranter, M., 1988

"The loss of halide and sulphate ions from melting ice."

Water Res. 22(6), 693-700

(keywords: snow ice glaciology pollution chemistry impacts)

Brimblecombe, P., Davies, T.D. and Tranter, M., 1988

"The composition of precipitation and chemical evolution of air masses."

In: Proc. WMO Conf. on Air Poll. Modelling and its Application (Vol. 3), 17-30 WMO/TD No. 187.

(keywords: air chemistry precipitation)

Cook, E.R., Briffa, K.R. and Jones, P.D., 1988

"Spatial Regression Methods for Dendroclimatology: A Review and Comparison of Two Techniques (2 parts)."

Final Report to the Scientific Affairs Division of the North Atlantic Treaty Organisation, Brussels, 51pp + tables Lamont-Doherty Geological Observatory, Palisades, New York.

(keywords: statistics dendro methodology tree rings evaluation)

Cook, H., Palutikof, J.P. and Davies, T.D., 1988

"The effect of geographical dispersion on the variability of wind energy."

Wind Energy Conversion, Proc. 1988 Tenth Wind Energy Conf. (Ed. D.J. Milborrow), pp.113-120 Mechanical Engineering Publications Ltd., London. (R)

(keywords: wind energy speed)

Cook, H.C., Palutikof, J.P. and Davies, T.D., 1988

“Examination of the Effects of Geographical Dispersion and Changing Climate on the Firmness of Wind Energy.”

Report to the Central Electricity Generating Board, 98pp Climatic Research Unit, University of East Anglia, Norwich.

(keywords: climate change wind energy)

Cook, H.F., Palutikof, J.P. and Davies, T.D., 1988

“The effect of geographical dispersion on wind turbines.”

Wind Energy Conversion 1988 (Ed. D.J. Milborrow), pp.113-120 Mechanical Engineering Publications, London.

(keywords: wind energy speed turbines)

Davies, T.D., 1988

“The Role of Changing Circulations in the Pattern of Acidic Deposition in Europe.”

Final Report to the Department of Environment, 200pp.

(keywords: circulation acid rain impacts pollution)

Davies, T.D., Brimblecombe, P., Blackwood, I.L., Tranter, M. and Abrahams, P.W., 1988

“Chemical composition of snow in the remote Scottish Highlands.”

In: Acid Deposition at High Elevation Sites (Eds. M.H. Unsworth and D. Fowler), pp.517-539 Kluwer Academic Publisher.

(keywords: chemistry snow pollution Scotland impacts UK)

Davies, T.D., Farmer, G., Glover, C.M., Barthelmie, R.J., Kelly, P.M. and Brimblecombe, P., 1988

“Precipitation composition and climatic change (Scotland and southern Scandinavia).”

In: Recent Climatic Change - a Regional Approach (Ed. S. Gregory), pp.79-89 Belhaven Press, London.

(keywords: precipitation chemistry climate change UK Europe Scandinavia)

Davies, T.D., Palutikof, J.P., Holt, T. and Kelly, P.M., 1988

“Variations in the wind resource over the British Isles for potential power production.”

In: Recent Climatic Change: A Regional Approach (Ed. S. Gregory), pp.69-78 Belhaven Press, London.

(keywords: wind energy speed UK regional)

Dickson, R.R., Kelly, P.M., Colebrook, J.M., Wooster, W.S. and Cushing, D.H., 1988

“North winds and production in the eastern North Atlantic.”

Journal of Plankton Research 10, 151-169

(keywords: wind oceanology NH)

Farmer, G., 1988

“A rainfall database for eastern Africa with some Kenyan examples.”

In: Proc. 1st Technical Conf. on Met. Research in eastern and southern Africa, pp.139-142 Kenya Meteorological Department, Nairobi.

(keywords: rainfall datasets Africa Kenya precipitation)

Farmer, G., 1988

“Rainfall databases and seasonal forecasting in eastern Africa.”

In: Recent Climatic Change - A Regional Approach (Ed. S. Gregory), pp.193-201 Belhaven Press, London.

(keywords: rainfall datasets forecasting Africa)

Farmer, G., 1988

“Seasonal forecasting of the Kenya Coast Short Rains, 1901-1984.”

Journal of Climatology 8, 489-497

(keywords: Kenya forecasting rainfall historical)

Farmer, G., 1988

“The Rainfall Climatology of the Sahel from Senegal to Somalia.”

Report to the International Union for the Conservation of Nature, Gland, Switzerland, 45pp

(keywords: rainfall precipitation Africa Sahel Senegal Somalia)

Farmer, G., 1988

“Twentieth century fluctuations in the People's Republic of China.”

Climate Monitor 17, 12-20

(keywords: rainfall China)

Farmer, G. and Wigley, T.M.L., 1988

“Changes in the character of the rainy season at Ke-Macina, Mali.”

Climate Monitor 16, 128-137 (R)

(keywords: rainfall Mali Africa precipitation climate change)

Goodess, C.M., Palutikof, J.P. and Davies, T.D., 1988

“Studies of Climatic Effects Relevant to Site Selection and to Assessments of the Radiological Impact of Disposal at Selected Sites.”

Nirex Safety Series, NSS/R137, 418pp

(keywords: climate change impacts radioactive waste pollution impacts)

Guo, X. and Palutikof, J., 1988a

“A comparison of two simple mesoscale models to predict windspeeds in the lower boundary layer.”

Wind Energy Conversion 1988 (Ed. D.J. Milborrow), pp.105-112 Mechanical Engineering Publications, London.

(keywords: modelling wind energy speed methodology predictions)

Guo, X. and Palutikof, J.P., 1988b

“A comparison of two methodologies to predict windspeeds at candidate wind turbine sites.”

Proc. Asian and Pacific Area Wind Energy Conference, August 1-4, Shanghai, pp.67-71 (R)

(keywords: methodology wind energy speed turbines evaluation)

Hulme, M., 1988

“Changes in wet season structure in central Sudan, 1900-86.”

In: Recent Climatic Fluctuations and Changes: Data, Characteristics and Impact (Ed. S. Gregory), pp.179-182 Belhaven Press, London. 310pp.

(keywords: rainfall precipitation Africa Sudan historical records climate change)

Hulme, M., 1988

“The Tropical Easterly Jet and Sudan rainfall, 1968-85.”

Climate Monitor 17, 122-133 Climatic Research Unit, University of East Anglia, Norwich. (R)

(keywords: wind Sudan rainfall precipitation historical records observations climate change)

Jones, P.D., 1988

“Hemispheric surface air temperature variations: Recent trends and an update to 1987.”

Journal of Climate 1, 654-660 (R)

(keywords: surface air temperature trends NH SH)

Jones, P.D., 1988

“Large-scale precipitation fluctuations: a comparison of grid-based and areal precipitation estimates.”

In: Recent Climatic Change (Ed. S. Gregory), pp.30-40 Belhaven Press, London.

(keywords: precipitation methodology)

Jones, P.D. and Kelly, P.M., 1988

“Causes of interannual temperature variations over the period since 1861.”

In: Long and Short Term Variability of Climate (Eds. H. Wanner and U. Siegenthaler), pp.18-34 Springer-Verlag, Berlin.

(keywords: temperature historical climate change)

Jones, P.D. and Warrick, R.A., 1988

“Climatic changes associated with the greenhouse effect.”

Atom 381, 13-15 (R)

(keywords: climate change greenhouse warming)

Jones, P.D. and Wigley, T.M.L., 1988

“Antarctic gridded sea level pressure data: An analysis and reconstruction back to 1957.”

Journal of Climate 1, 1199-1220 (R)

(keywords: sea level pressure data datasets reconstruction)

Jones, P.D., Wigley, T.M.L., Folland, C.K. and Parker, D.E., 1988

“Spatial patterns in recent worldwide temperature trends.”

Climate Monitor 16, 175-185 Climatic Research Unit, University of East Anglia, Norwich. (R)

(keywords: global warming temperature climate change)

Jones, P.D., Wigley, T.M.L., Folland, C.K., Parker, D.E., Angell, J.K., Lebedeff, S. and Hansen, J.E., 1988

“Evidence for global warming in the past decade.”

Nature 332, p.790 (see errata in Nature 333, p.122). (R)

(keywords: global warming climate change detection evaluation methodology)

Jones, P.D., Wigley, T.M.L., Ohring, G. and Thomasell, A., 1988

“Global-scale temperature changes to August 1987 and a comparison of satellite and conventional data.”

In: Proc. 12th Annual Climate Diagnostics Workshop (Ed. D.R. Rodenhuis), pp.326-334 U.S. Dept. of Commerce, NOAA.

(keywords: global temperature climate change satellite datasets data detection)

Karas, J.H.W. and Kelly, P.M., 1988

“The Heat Trap.”

Friends of the Earth, London.

(keywords: global warming climate change)

Karas, J.H.W., Kelly, P.M., Harrison, J., Salmon, M., Loset, S. and Vefsnmo, S., 1988

“Ice Accretion in the Barents Sea. Volume 2,”

Report prepared for British Petroleum Development (Norway) Ltd., 200pp NHL, Trondheim/CRU, Norwich.

(keywords: sea ice)

Kington, J.A., 1988

“The Weather of the 1780s Over Europe.”

164pp Cambridge University Press, Cambridge.

(keywords: meteorology historical observations Europe book)

Kington, J.A. (Ed.), 1988

“The Weather Journals of a Rutland Squire: Thomas Barker of Lyndon Hall.”

Rutland Record Series Vol.2 (Ed. B. Waites), 217pp Rutland Record Society, Rutland County Museum, Oakham, U.K.

(keywords: historical records observations meteorology book UK)

Lamb, H.H., 1988

“Weather, Climate and Human Affairs.”

Routledge, London, 364pp Routledge, London.

(keywords: climate change impacts socio agriculture book meteorology health)

Nicholson, K.W. and Davies, T.D., 1988

“Field measurements of the dry deposition of particulate sulphate: authors reply.”

Atmos. Environ. 21(1), p.199

(keywords: deposition chemistry methodology)

Nicholson, K.W. and Davies, T.D., 1988

“The dry deposition of sulphur dioxide at a rural site.”

Atmospheric Environment 22(12), 2885-2889

(keywords: deposition chemistry SO2 pollution impacts precipitation)

Palutikof, J.P., Bass, J.H., Halliday, J.A., Davies, T.D. and Watkins, C.P., 1988

“A methodology for the prediction of windspeeds at a candidate wind turbine site.”

In: Wind Energy Conversion 1988 (Ed. D.J. Milborrow), pp.95-103 Mechanical Engineering Publications, London.

(keywords: methodology wind speed energy turbines)

Schweingruber, F.H., Bartholin, T., Schar, E. and Briffa, K.R., 1988

“Radiodensitometric-dendroclimatological conifer chronologies from Lapland (Scandinavia) and the Alps (Switzerland).”

Boreas 17, 559-566 (R)

(keywords: chronologies dendro Lapland Switzerland tree rings)

Tranter, M., Abrahams, P.W., Blackwood, I.L., Brimblecombe, P. and Davies, T.D., 1988

“The impact of a single black snowfall on streamwater chemistry in the Scottish highlands.”

Nature 332(6167), 826-829

(keywords: snow chemistry pollution Scotland impacts)

Vefsnmo, S., Loset, S., Kelly, P.M., Karas, J.H.W., Harrison, J. and Salmon, M., 1988

“Ice Accretion in the Barents Sea. Volume 1.”

105pp Report prepared for British Petroleum Development (Norway) Ltd. NHL, Trondheim/CRU, Norwich.

(keywords: sea ice)

Walsh, R.P.D., Hulme, M. and Campbell, M., 1988

“Recent rainfall changes and their impact on hydrology and water supply in the semi-arid zone of Sudan.”

Geographical Journal 154, 181-198

(keywords: rainfall climate change hydrology Sudan desertification water precipitation Africa)

Warrick, R.A., 1988

“CO2, climatic change and agriculture.”

The Geographical Journal 154, 221-223 (R)

(keywords: climate change CO2 agriculture impacts)

Warrick, R.A., 1988

“Greenhouse Gases, Climatic Change and Environmental Impacts: Information for Decision-modelling.”

Final Research Report to the Central Electricity Generating Board (Contract Ref.RK:4302). Climatic Research Unit, University of East Anglia, Norwich.

(keywords: greenhouse climate change environment impacts modelling)

Warrick, R.A., 1988

“The greenhouse effect - what if?”

In: Setting the Agenda: Proc. Initial Conference of the Future Countryside Programme, held 16 November 1988, London.

(keywords: greenhouse warming climate change impacts forecasting predictions)

Warrick, R.A. and Jones, P.D., 1988

“The greenhouse effect: impacts and policies.”

Forum for Applied Research and Public Policy 3, 48-62 (R)

(keywords: greenhouse warming impacts political policy)

Warrick, R.A., Jones, P.D. and Russell, J.E., 1988

“The Greenhouse Effect, Climatic Change and Sea Level: An Overview.”

Final Report to the British Commonwealth Secretariat, Commonwealth Expert Group on Climatic Change and Sea Level Rise.

Climatic Research Unit, University of East Anglia, Norwich.

(keywords: greenhouse climate change sea level)

Wigley, T.M.L., 1988

“Future CFC concentration changes under the Montreal Protocol and their greenhouse effect implications.”

Nature 335, 333-335 (R)

(keywords: aerosols forecasting political greenhouse impacts)

Wigley, T.M.L., 1988

“The climate of the past 10,000 years and the role of the Sun.”

In: Secular Solar and Geomagnetic Variations in the Last 10,000 Years (Eds. F.R. Stephenson and A.W. Wolfendale), pp.209-224

Kluwer Academic Publishers, Dordrecht. (R)

(keywords: climate change historical solar)

Wigley, T.M.L. and Jones, P.D., 1988

“Do large-area-average temperature series have an urban warming bias?”

Climatic Change 12, 313-319 (R)

(keywords: temperature datasets warming)

Wigley, T.M.L. and Santer, B.D., 1988

“Validation of general circulation climate models.”

In: Physically-Based Modelling and Simulation of Climate and Climatic Change (Ed. M.E. Schlesinger), pp.841-879

(keywords: GCMS modelling)

1987

Atkinson, T.C., Briffa, K.R. and Coope, G.R., 1987

“Seasonal temperatures in Britain during the past 22,000 years reconstructed using beetle remains.”

Nature 325, 587-592 (R)

(keywords: temperature UK historical reconstruction)

Barthelmie, R.J., Davies, T.D., Farmer, G., Kelly, P.M. and Brimblecombe, P., 1987

“Links between changing atmospheric circulation patterns and sulphate and nitrate in precipitation.”

In: Acid Rain: Scientific and Technical Advances (Eds. R. Berry, R.M. Harrison, J.N.B. Bell and J.N. Lester), pp.175-182 Belper, London.

(keywords: atmospheric sulphate nitrate precipitation)

Bradley, R.S., Diaz, H.F., Eischeid, J.K., Jones, P.D., Kelly, P.M. and Goodess, C.M., 1987

“Precipitation fluctuations over Northern Hemisphere land areas since the mid-19th century.”

Science 237, 171-175 (R)

(keywords: precipitation NH land historical)

Bradley, R.S., Diaz, H.F., Eischeid, J.K., Jones, P.D., Kelly, P.M. and Goodess, C.M., 1987

“Precipitation fluctuations over Northern Hemisphere land areas since the mid-19th century.”

Science 237, 171-175

(keywords: precipitation NH historical records climate change)

Bradley, R.S., Diaz, H.F., Jones, P.D. and Kelly, P.M., 1987

“Secular fluctuations of temperature over the Northern Hemisphere land areas and mainland China since the mid-19th century.”

In: The Climate of China and Global Climate (Eds. D. Ye, C. Fu, J. Chao and M. Yoshino), pp.76-87 China Ocean Press, Beijing.

(keywords: temperature NH land China historical)

Briffa, K.R., 1987

“Relationships between British Climate and the Radial Growth of Quercus Species - an Empirical Approach to Climate Reconstruction.”

In: Applications of Tree-ring Studies (Ed. R.G.W. Ward), pp.69-90 BAR International Series 333, Oxford. (R)

(keywords: UK dendro methodology)

Briffa, K.R., Wigley, T.M.L. and Jones, P.D., 1987

“Towards an objective approach to standardization.”

In: Methods of Dendrochronology (Eds. K. Kairiukstis, Z. Bednars and E. Feliksik), pp.69-86 IIASA/Polish Academy of Sciences, Warsaw.

(keywords: dendro methodology)

Briffa, K.R., Wigley, T.M.L., Jones, P.D., Pilcher, J.R. and Hughes, M.K., 1987

“Patterns of tree growth and related pressure variability in Europe.”

Dendrochronologia 5, 35-58 (R)

(keywords: tree rings pressure Europe)

Brimblecombe, P., Clegg, S.L., Davies, T.D., Shooter, D. and Tranter, M., 1987

“Observations of the preferential loss of major ions from melting snow and laboratory ice.”

Water Resources 21(1), 1279-1286

(keywords: snow glaciology ice chemistry pollution methodology)

Brzonik, P., Jones, H.G., Davies, T.D. and others., 1987

“Acid deposition monitoring for snowfall and snowpack.”

Life Systems Inc., Cleveland, Ohio, 150pp

(keywords: acid rain precipitation pollution USA)

Davies, T.D., 1987

“Effects of weather patterns.”

In: Acid Deposition in the United Kingdom 1981-85 (Barrett, C.F. et al.). A second report of the UK Review Group on Acid Rain. pp.45-50 Warren Spring Laboratory, Stevenage, UK.

(keywords: impacts weather)

Davies, T.D., 1987

“Climatic Change.”

Science and Public Policy 14(3), 171-174

(keywords: climate change impacts policy)

Davies, T.D., Barthelmie, R.J., Brimblecombe, P., Farmer, G. and Kelly, P.M., 1987

“Regional patterns of sulphate and nitrate deposition in Europe.”

Presented at: Sixth International Symposium of the CACGP on Global Atmospheric Chemistry, Peterborough, Ontario, August 1987.

(keywords: sulphate nitrate regional Europe)

Davies, T.D., Brimblecombe, P., Tranter, M., Tsiouris, S., Vincent, C.E. and Abrahams, I.L., 1987

“The removal of soluble ions from melting snowpacks.”

In: Seasonal Snowcovers: Physics, Chemistry, Hydrology (Eds. H.G. Jones and W.J. Orville-Thomas), pp.337-392 D. Reidel

(keywords: ions snow chemistry)

Davies, T.D., Kelly, P.M., Brimblecombe, P. and Gair, A.J., 1987

“Surface ozone concentrations and climate: preliminary analysis.”

Climate Monitor 16(2), 52-61

(keywords: ozone surface climate change impacts)

Davies, T.D., Kelly, P.M., Brimblecombe, P. and Gair, A.J., 1987

“Surface ozone concentrations and climate: preliminary analysis.”

In: Proceedings of the WMO Conference on Air Pollution Modelling and its Application (Vol. 2), 348-356 WMO/TD No. 187.

(keywords: ozone climate change surface impacts)

Davies, T.D., Kelly, P.M., Brimblecombe, P., Farmer, G. and Barthelmie, R.J., 1987

“The Contribution of Atmospheric Circulation and Air Trajectory Variability to the Changing Pattern of Acidic Deposition in Europe.”

Report to the Commission of the European Communities, Contract No.EV3V.0921.UK(H), 170pp

(keywords: atmospheric circulation air Europe pollution acid rain)

Farmer, G., Barthelmie, R.J., Davies, T.D., Brimblecombe, P. and Kelly, P.M., 1987

“Nitrate and sulphate in precipitation: concentration and deposition at Eskdalemuir, Scotland.”

Presented at: Sixth International Symposium of the CACGP on Global Atmospheric Chemistry, Peterborough, Ontario, August

1987.

(keywords: nitrate sulphate precipitation pollution UK)

Farmer, G., Barthelmie, R.J., Davies, T.D., Brimblecombe, P. and Kelly, P.M., 1987

"Relationships between concentration and deposition of nitrate and sulphate in precipitation."

Nature 328(6133), 787-789 (R)

(keywords: pollution acid rain precipitation nitrate sulphate impacts)

Glantz, M.H. and Wigley, T.M.L., 1987

"Climatic variations and their effects on water resources."

In: Resources and World Development (Eds. D.J. McLaren and B.J. Skinner), pp.625-641 John Wiley and Sons Ltd. (R)

(keywords: climate change hydrology)

Hulme, M., 1987

"Some hydrological consequences of secular climatic change in White Nile Province, central Sudan."

pp.35-46 in: African Resources: Monitoring and Appraisal, Vol.1 (Eds. A.C. Millington, J.A. Binns and S.K. Mutiso), 57pp

Reading Geographical Paper No.96, University of Reading.

(keywords: hydrology impacts climate change Sudan)

Hulme, M., 1987

"An Annotated Bibliography of the Climate of Sudan."

Cambridge Occasional Papers No.5, African Studies Centre, Cambridge, 54pp

(keywords: climate Sudan Africa)

Hulme, M., 1987

"Rainfall in Sudan: an asset or a liability?"

Geoforum 18, 321-331

(keywords: rainfall Sudan impacts climate change)

Hulme, M., 1987

"Secular changes in wet season structure in central Sudan."

Journal of Arid Environments 13, 31-46 (R)

(keywords: climate change rainfall Sudan)

Hulme, M., 1987

"The 1986 wet season in central Sudan."

Weather 42, 193-195

(keywords: rainfall Sudan)

Jones, P.D., 1987

"The early twentieth century Arctic High - fact or fiction?"

Climate Dynamics 1, 63-75 (R)

(keywords: Arctic pressure)

Jones, P.D. and Limbert, D.W.S., 1987

"A Data Bank of Antarctic Surface Temperature and Pressure Data."

U.S. Dept. of Energy Carbon Dioxide Research Division, Technical Report TRO38, 52pp

(keywords: datasets Antarctic surface temperature pressure)

Jones, P.D., Wigley, T.M.L. and Briffa, K.R., 1987

"Monthly mean pressure reconstructions for Europe (Back to 1780) and North America (to 1858)."

Tech. Rep. TR037, Carbon Dioxide Research Division, U.S. Department of Energy, 99pp (R)

(keywords: pressure reconstructions Europe historical USA)

Jones, P.D., Wigley, T.M.L. and Raper, S.C.B., 1987

"The rapidity of CO₂-induced climatic change: observations, model results and palaeo-climatic implications."

In: Abrupt Climatic Changes - Evidence and Implications (Eds. W.H. Berger and L.D. Labeyrie), pp.47-55 D. Reidel Publ. Co., Dordrecht. (R)

(keywords: CO₂ climate change observations modelling palaeo)

Kelly, P.M. and Karas, J.H.W., 1987

"Nuclear Winter."

In: The World Encyclopedia of Peace. Pergamon, Oxford.

(keywords: nuclear winter)

Kelly, P.M., Goodess, C.M. and Cherry, B.S.G., 1987

"The interpretation of the Icelandic sea ice record."

Journal of Geophysical Research 92, 10,835-10,843 (R)

(keywords: Iceland sea ice datasets)

Kelly, P.M., Karas, J.H.W. and Wigzell, M., 1987
"Potential Effects of Nuclear War on the Atmosphere, Weather and Climate of the Greater London Area."
Report to the GLAWARS Board of Commissioners. Polytechnic of the South Bank, London.
(keywords: nuclear winter atmospheric meteorology climate change UK regional)

Lamb, H.H., 1987
"What can historical records tell us about the breakdown of the medieval warm climate in Europe in the fourteenth and fifteenth centuries - an experiment."
Atmospheric Physics 60, 131-143
(keywords: historical climate change Europe records)

McCracken, M.C., Businger, J., Carter, W.P.L., Christie, A., Davies, T.D. and others., 1987
"Review of national acid precipitation assessment programme."
57pp Research and Evaluation Associates Inc., Washington DC.
(keywords: acid rain precipitation pollution USA policy impacts)

Nicholson, K.W. and Davies, T.D., 1987
"Field measurements of the dry deposition of aerosol sulphate."
Atmospheric Environment 21, 1561-1571
(keywords: deposition aerosols pollution methodology)

Palutikof, J.P., 1987
"1982-83 climatic anomalies over western Europe and their impacts."
Ch.12 in: The Societal Impacts Associated with the 1982-83 Worldwide Climate Anomalies (Eds. M. Glantz, R. Katz and M. Krenz), pp.70-74 National Center for Atmospheric Research, Boulder, CO.
(keywords: climate change Europe impacts)

Palutikof, J.P., 1987
"Long-term variability in the wind field and its implications for the wind resource at turbine hub height."
Wind Turbines - Meteorology, Siting and Monitoring (Proc. BWEA-NEL-CIT one-day workshop) (Ed. A.J. Garside), pp.22-42
Cranfield Institute of Technology, Bedford.
(keywords: wind energy turbines climate change)

Palutikof, J.P., 1987
"Some possible impacts of greenhouse-gas-induced climatic change on water resources in England and Wales."
In: The Influence of Climate Changes and Climatic Variability on the Hydrological Regime and Water Resources (Eds. S.I. Solomon, M. Beran and W. Hogg), pp.585-596 IAHS Publication No.168, IAHS, Wallingford.
(keywords: greenhouse climate change hydrology UK)

Palutikof, J.P., Davies, T.D. and Watkins, C.P., 1987
"Spatial Responses to Changing Wind Regimes."
Report to the Central Electricity Generating Board, 62pp Climatic Research Unit, University of East Anglia, Norwich.
(keywords: wind energy climate change)

Palutikof, J.P., Davies, T.D., Holt, T. and Watkins, C., 1987
"Spatial responses to changing wind regimes."
Report to CEGB, 62pp Climatic Research Unit, UEA.
(keywords: wind power speed impacts)

Palutikof, J.P., Davies, T.D., Kelly, P.M. and Halliday, J.A., 1987
"Temporal and spatial variations in hourly windspeeds over the British Isles."
In: Proc. European Wind Energy Conference 1986 (Ed. W. Palz and E. Sesto), pp.231-236 ISES, Rome.
(keywords: wind energy UK speed data)

Palutikof, J.P., Davies, T.D., Kelly, P.M., Halliday, J. and Bass, J., 1987
"Assessment of wind potential at prospective wind energy convertor sites."
Report to UKAEA. 131pp. Climatic Research Unit, University of East Anglia, 131pp.
(keywords: wind energy speed methodology)

Palutikof, J.P., Halliday, J.A., Davies, T.D., Bass, J.H., Holt, T., Watkins, C.P. and Kelly, P.M., 1987
"Development of a site wind-regime prediction methodology for Britain: work in progress."
Wind Energy Conversion 1987 (Ed. J.M. Galt), 271-278 Mechanical Engineering Publ., London. (R)
(keywords: wind energy forecasting methodology UK)

Palutikof, J.P., Kelly, P.M., Davies, T.D. and Halliday, J.A., 1987
"Impacts of spatial and temporal windspeed variability on wind energy output."
Journal of Climate and Applied Meteorology 26, 1124-1133 (R)
(keywords: impacts wind energy)

Palutikof, J.P., Kelly, P.M., Davies, T.D. and Halliday, J.A., 1987
“*Impacts on energy output from wind turbines arising from spatial and temporal variability in wind regimes.*”
Journ. Clim. Applied Met. 26(9), 1124-1133
(keywords: energy wind speed impacts climate change)

Ropelewski, C.F. and Jones, P.D., 1987
“*An extension of the Tahiti-Darwin Southern Oscillation Index.*”
Monthly Weather Review 115, 2161-2165 (R)
(keywords: SOI)

Sear, C.B., Kelly, P.M., Jones, P.D. and Goodess, C.M., 1987
“*Global surface temperature response to major volcanic eruptions.*”
Nature 330, 365-367 (R)
(keywords: global surface temperature volcanoes)

Thompson, I.P., Blackwood, I.L. and Davies, T.D., 1987
“*The effect of polluted and leached snowmelt on the soil bacterial community - quantitative response.*”
Environmental Pollution 43, 143-154
(keywords: pollution snow acid agriculture soil statistics)

Thompson, I.P., Blackwood, I.L. and Davies, T.D., 1987
“*Soil bacterial changes upon snowmelt: laboratory studies of the effects of early and late meltwater fractions.*”
FEMS Microbiology Ecology 45, 269-274
(keywords: soil snow acid chemistry impacts pollution)

Tranter, M., Abrahams, P.W., Blackwood, I., Davies, T.D., Brimblecombe, P., Thompson, I.P. and Vincent, C.E., 1987
“*Changes in stream-water chemistry during snowmelt.*”
In: Seasonal Snowcovers: Physics, Chemistry, Hydrology (Eds. H.G. Jones and W.J. Orville-Thomas), pp.337-392 D. Reidel
(keywords: chemistry snow acid pollution precipitation impacts)

Tranter, M., Davies, T.D., Brimblecombe, P. and Vincent, C.E., 1987
“*The composition of acidic meltwaters during snowmelt in the Scottish Highlands.*”
Water, Air and Soil Pollution 36(1-2), 75-90
(keywords: acid snow pollution Scotland UK chemistry)

Tranter, M., Davies, T.D., Brimblecombe, P., Abrahams, P. and Blackwood, I.L., 1987
“*Spatial variability of the chemical composition of snow in a small, remote Scottish catchment.*”
Atmospheric Environment 21, 853-862
(keywords: chemistry snow acid precipitation Scotland)

Watts, S.F., Yaquub, R. and Davies, T.D., 1987
“*The use of Whatman 41 filter papers for high volume aerosol sampling.*”
Atmospheric Environment 21, 2731-2732
(keywords: aerosol methodology)

Wigley, T.M.L., 1987
“*Relative contributions of different trace gases to the greenhouse effect.*”
Climate Monitor 16, 14-28 (R)
(keywords: aerosols greenhouse)

Wigley, T.M.L., 1987
“*The effect of model structure on projections of greenhouse-gas-induced climatic change.*”
Geophysical Research Letters 14, 1135-1138 (R)
(keywords: modelling greenhouse forecasting climate change)

Wigley, T.M.L., 1987
“*The impact of climate on resource use and availability.*”
In: Resources and World Development (Eds. D.J. MacLaren and B.J. Skinner), pp.79-99 John Wiley and Sons, Chichester. (R)
(keywords: impacts climate change agriculture)

Wigley, T.M.L. and Jones, P.D., 1987
“*England and Wales precipitation: A discussion of recent changes in variability and an update to 1985.*”
Journal of Climatology 7, 231-246 (R)
(keywords: UK precipitation climate change)

Wigley, T.M.L. and Raper, S.C.B., 1987
“*The thermal expansion of sea water associated with global warming.*”
Nature 330, 127-131 (R)
(keywords: sea level global warming greenhouse)

Wigley, T.M.L., Jones, P.D. and Briffa, K.R., 1987

"Detecting the effects of acidic deposition and CO₂-fertilization on tree growth."

In: Methods of Dendrochronology. Vol.1, Proc. Task Force Meeting on Methodology of Dendrochronology: Krakow, Poland, 2-6 June 1986 (Eds. L. Kairiukstis, Z. Bednars and E. Feliksik), pp.239-253 I.I.A.S.A., Agricultural Academy of Krakow, Polish Academy of Science, WOSI Wspolna Sprawa 38/37 no.20.

(keywords: precipitation acid rain CO₂ dendro)

Wigley, T.M.L., Jones, P.D. and Kelly, P.M., 1987

"Global temperature variations, 1861-1986."

In: Proc. Eleventh Annual Climate Diagnostics Workshop, held Champaign, Illinois, October 14-17 1986, pp.47-53 U.S. Dept. of Commerce. (R)

(keywords: global temperature climate change historical)

1986

Atkinson, T.C., Briffa, K.R. and Coope, G.R., 1986

"Reconstruction of late-glacial climates from coleoptera using the mutual range method."

Abstracts and Reports from the Conference on 'Abrupt Climatic Change', pp.56-59 SIO Reference Series 86-8.

(keywords: reconstruction climate change methodology historical)

Atkinson, T.C., Briffa, K.R., Coope, G.R., Joachim, M.J. and Perry, D.W., 1986

"Climatic calibration of coleopteran data."

In: Handbook of Holocene Palaeoecology and Palaeohydrology (Ed. B.E. Berglund), pp.851-858 Wiley and Sons Ltd., Chichester.

(keywords: climate reconstruction datasets historical methodology)

Bolin, B., Doos, B.R., Warrick, R.A. and Jager, J. (Editors), 1986

"The Greenhouse Effect, Climatic Change and Ecosystems."

SCOPE 29, 539pp John Wiley and Sons, Inc., Chichester.

(keywords: greenhouse climate change impacts book)

Briffa, K.R. and Russell-Smith, A., 1986

"Dendroclimatic pilot study in Ethiopia."

Report to the Overseas Development Administration, London. Climatic Research Unit, University of East Anglia.

(keywords: dendro Ethiopia methodology)

Briffa, K.R., Jones, P.D., Wigley, T.M.L., Pilcher, J.R. and Baillie, M.G.L., 1986

"Climate reconstruction from tree rings: Part 2, Spatial reconstruction of summer mean sea-level pressure patterns over Great Britain."

Journal of Climatology 6, 1-15 (R)

(keywords: climate change reconstruction tree rings pressure UK sea level)

Briffa, K.R., Wigley, T.M.L., Jones, P.D., Pilcher, J.R. and Hughes, M.K., 1986

"The Reconstruction of Past Circulation Patterns over Europe Using Tree-Ring Data."

Final Report to the Commission of the European Communities - Contract No.CL.111.UK(H), 107pp + app. Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: reconstruction circulation Europe tree rings datasets methodology historical)

Brimblecombe, P., Davies, T.D. and Tranter, M., 1986

"Nineteenth Century black Scottish showers."

Atmospheric Environment 20(5), 1053-1057

(keywords: historical black snow precipitation pollution reconstruction)

Brimblecombe, P., Tranter, M., Tsiouris, S., Davies, T.D. and Vincent, C.E., 1986

"The chemical evolution of snow and meltwater."

In: Modelling Snowmelt-induced Processes (Ed. E.M. Morris), pp.283-295 IAHS Publ. No. 155.

(keywords: chemistry snow pollution hydrology)

Davies, T.D., 1986

"The movement of atmospheric pollutants through snowpacks, interactions with soil and the acidification of stream runoff."

Report to the Directorate-General for Science Research and Development, Commission of the European Communities, 200pp

(keywords: atmosphere pollution snow precipitation chemistry acid impacts)

Davies, T.D., Kelly, P.M., Brimblecombe, P. and Gair, A.J., 1986

"Surface ozone concentrations and climate: preliminary analysis."

Presented at: WMO Conference on Air Pollution Modelling and its Applications, Leningrad, USSR, 29-24 May 1986. (R)
(keywords: ozone climate change methodology)

Davies, T.D., Kelly, P.M., Brimblecombe, P., Farmer, G. and Barthelmie, R.J., 1986
“*Acidity of Scottish rainfall influenced by climatic change.*”
Nature 322(6077), 359-361 (R)
(keywords: acid rain UK rainfall climate change Scotland impacts)

Farmer, G., 1986
“*Drought in Africa.*”
Balfour Beatty Construction News 15, 2-4
(keywords: drought desertification Africa)

Farmer, G., 1986
“*Rainfall variability in Tropical Africa: some implications for policy.*”
Land Use Policy 3, 336-342
(keywords: rainfall Africa political)

Hulme, M., 1986
“*The adaptability of a rural water supply system to extreme rainfall anomalies in central Sudan.*”
Applied Geography 6, 87-103
(keywords: hydrology rainfall drought desertification Sudan Africa)

Jones, P.D., 1986
“*How reliable is the COADS sea level pressure data set?*”
In: Proc. COADS Workshop, Boulder, Colorado, January 22-24 1986 (Ed. S.D. Woodruff), pp.78-83 NOAA Technical Memorandum ERL ESG-23.
(keywords: datasets sea level pressure methodology)

Jones, P.D., 1986
“*Problems in using the COADS data for investigating secular climate change.*”
In: Proc. COADS Workshop, Boulder, Colorado, January 22-24 1986 (Ed. S.D. Woodruff), pp.66-71 NOAA Technical Memorandum ERL ESG-23.
(keywords: datasets climate change methodology)

Jones, P.D., Raper, S.C.B. and Wigley, T.M.L., 1986b
“*Southern Hemisphere surface air temperature variations: 1851-1984.*”
Journal of Climate and Applied Meteorology 25, 1213-1230 (R)
(keywords: SH surface air temperature climate change historical)

Jones, P.D., Raper, S.C.B., Bradley, R.S., Diaz, H.F., Kelly, P.M. and Wigley, T.M.L., 1986a
“*Northern Hemisphere surface air temperature variations: 1851-1984.*”
Journal of Climate and Applied Meteorology 25, 161-179 (R)
(keywords: NH surface air temperature climate change historical)

Jones, P.D., Raper, S.C.B., Goodess, C.M., Cherry, B.S.G. and Wigley, T.M.L., 1986
“*A Grid Point Surface Air Temperature Data Set for the Southern Hemisphere, 1851-1984.*”
U.S. Dept. of Energy, Carbon Dioxide Research Division, Technical Report TR027 (DOE/EV/10098-6), 73pp
(keywords: surface air temperature datasets SH historical)

Jones, P.D., Wigley, T.M.L. and Wright, P.B., 1986
“*Global temperature variations between 1861 and 1984.*”
Nature 322, 430-434 (R)
(keywords: global temperature climate change historical)

Kelly, P.M. and Karas, J.H.W., 1986
“*No Place to Hide: Nuclear Winter and the Third World.*”
Press Briefing Document 43. Earthscan, London.
(keywords: nuclear winter climate change agriculture global)

Kelly, P.M., Goodess, C.M., Jones, P.D. and Wigley, T.M.L., 1986
“*Recent changes in surface air temperature over the northern land masses.*”
In: Proc. First WMO Workshop on the Diagnosis and Prediction of Monthly and Seasonal Atmospheric Variations over the Globe. WMO Long-range Forecasting Research Report Series, No.6, Vol.1., pp.59-63 WMO Geneva.
(keywords: surface air temperature NH climate change forecasting)

Lamb, H.H., 1986
“*The history of climatology and the effects of climatic variations on human history.*”

Weather 41, 16-20

(keywords: historical climate change impacts)

Lamb, H.H., 1986

"The origin of the extensive ice-floes in the English Channel in February 1984."

Journal of Meteorology 11, 123-125

(keywords: sea ice historical)

Norton, D.A., McGlone, M.S. and Wigley, T.M.L., 1986

"Quantitative analyses of modern pollen-climate relationships in New Zealand indigenous forests."

New Zealand Journal of Botany 24, 331-342 (R)

(keywords: pollen climate change New Zealand dendro statistics methodology)

Ogilvie, A.E.J., 1986

"The climate of Iceland, 1701-1784."

Jokull 36, 57-73 (R)

(keywords: Iceland climate change historical)

Palutikof, J.P., 1986

"Drought strategies in East Africa: the climatologist's role."

Climatic Change 9, 67-78 (R)

(keywords: drought desertification Africa methodology climatology)

Palutikof, J.P., 1986

"Scenario construction for regional climatic change in a warmer world."

In: Climate Change Impacts in the Canadian Arctic, Proc. Climate Program Workshop (Ed. H.M. French), pp.2-14 Atmospheric Environment Service, Downsview, Ontario, Canada.

(keywords: scenarios regional climate change greenhouse global warming)

Palutikof, J.P. and Goodess, C.M., 1986

"The design and use of climatological data banks with emphasis on the preparation and homogenization of surface monthly records."

Climatic Change 9, 129-147 (R)

(keywords: datasets methodology statistics surface climate change)

Palutikof, J.P., Davies, T.D., Kelly, P.M. and Halliday, J.A., 1986

"Meteorological and statistical characteristics of high and low windspeed months over the British Isles: a preliminary analysis."

In: Wind Energy Conversion 1986 (Eds. M.B. Anderson and S.J.R. Powles), pp.71-78 Mechanical Engineering Publications Ltd., London. (R)

(keywords: meteorology statistics wind speed UK methodology energy)

Palutikof, J.P., Kelly, P.M. and Davies, T.D., 1986

"Windspeed variations and climatic change."

Wind Engineering 10(4), 182-189 (R)

(keywords: wind speed climate change energy)

Santer, B.D. and Wigley, T.M.L., 1986

"Validation of General Circulation Model (GCM) Control Runs."

Report No. UCRL-15789, 126pp Lawrence Livermore National Laboratory.

(keywords: GCMs statistics)

Tranter, M., Brimblecombe, P., Davies, T.D., Vincent, C.E., Abrahams, P.W. and Blackwood, I.L., 1986

"The composition of snowfall, snowpack and meltwater in the Scottish Highlands - evidence for preferential elution."

Atmospheric Environment 20, 517-525

(keywords: snow acid pollution Scotland UK chemistry)

Warrick, R.A., 1986

"Climatic change and sea level rise."

Climate Monitor 15, 39-44 Climatic Research Unit, University of East Anglia, Norwich, UK. (R)

(keywords: climate change sea level)

Warrick, R.A., 1986

"Photosynthesis seen from above."

Nature 319 p.181 (R)

(keywords: agriculture climate change)

Warrick, R.A. and Gifford, R.M. (with M.L. Parry), 1986

"CO₂, climatic change and agriculture: assessing the response of food crops to the direct effects of increased CO₂ and climatic change."

In: The Greenhouse Effect, Climatic Change and Ecosystems (Eds. B. Bolin, B.R. Doos, R.A. Warrick and J. Jager). SCOPE 29, John Wiley and Sons, Inc., Chichester.

(keywords: CO2 climate change agriculture impacts)

Warrick, R.A., Shugart, H.H., Antonovsky, M.Ja (with J.R. Tarrant and C.J. Tucker), 1986

"The effects of increased CO2 and climatic change on terrestrial ecosystems."

In: The Greenhouse Effect, Climatic Change and Ecosystems (Eds. B. Bolin, B.R. Doos, R.A. Warrick and J. Jager). SCOPE 29, John Wiley and Sons, Inc., Chichester. (R)

(keywords: CO2 impacts climate change agriculture)

Wigley, T.M.L., 1986

"Commentary on 'Impact of Human Activities on Climate - a Framework' by R.E. Dickinson."

In: Sustainable Development of the Biosphere (Eds. W.C. Clark and R.E. Munn), pp.289-291 Cambridge University Press.

(keywords: impacts climate change methodology)

Wigley, T.M.L. and Farmer, G., 1986

"Rainfall."

In: The Agricultural Dilemma in Africa (Ed. J. Howell). Papers of the 1985 ODA Natural Resources Advisers Conference, Overseas Research Publication Series No.28, pp.24-32 Overseas Development Administration, London.

(keywords: rainfall agriculture Africa)

Wigley, T.M.L. and Jones, P.D., 1986

"Recent changes in precipitation and precipitation variability in England and Wales."

Report to the Water Research Centre, Medmenham, Bucks., 86pp

(keywords: precipitation climate change UK)

Wigley, T.M.L., Farmer, G. and Ogilvie, A.E.J., 1986

"Climate reconstruction using historical sources."

In: Current Issues in Climate Research (Eds. A. Ghazi and R. Fantechi), pp.97-100 D. Reidel Publ. Co., Dordrecht.

(keywords: climate change reconstruction historical)

Wigley, T.M.L., Jones, P.D. and Briffa, K.R., 1986

"Cross-dating methods in dendrochronology."

Journal of Archaeological Science 14, 51-64 (R)

(keywords: dendro methodology)

Wigley, T.M.L., Jones, P.D. and Kelly, P.M., 1986

"Empirical climate studies: warm world scenarios and the detection of climatic change induced by radiatively active gases."

Ch.6 in: The Greenhouse Effect, Climatic Change, and Ecosystems (Eds. B. Bolin, B.R. Doos, J. Jager and R.A. Warrick), pp.271-323 SCOPE series, Wiley. (R)

(keywords: climate change methodology scenarios global warming greenhouse detection CO2)

Wigley, T.M.L., Kukla, G.J., Kelly, P.M. and MacCracken, M.C., 1986

"Recommendations for monitoring and analysis to detect climate change induced by increasing carbon dioxide."

In: Detecting the Climatic Effects of Increasing Carbon Dioxide (Eds. M.C. MacCracken and F.M. Luther), pp.177-185

Department of Energy, Carbon Dioxide Research Division, Washington DC.

(keywords: observations CO2 climate change methodology detection)

Wright, P.B. and Jones, P.D., 1986

"A data gridded set for the global oceans, 1854-1979."

In: Proc. COADS Workshop, Boulder, Colorado, January 22-24 1986 (Ed. S.D. Woodruff), pp.62-65 NOAA Technical Memorandum ERL ESG-23.

(keywords: datasets global oceans historical)

1985

Abrahams, P.W., Tranter, M., Davies, T.D., Blackwood, I.L., Brimblecombe, P. and Vincent, C.E., 1985

"The mobilization of trace elements in a remote Scottish catchment at the onset of snowmelt."

In: Trace Elements in Environmental Health (Ed. D.D. Hemphill), pp.67-78 University of Missouri, Columbia, USA.

(keywords: chemistry Scotland pollution snow)

Baillie, M.G.L., Hillebrand, J., Briffa, K.R. and Brown, D.M., 1985

"Re-dating the English art-historical tree-ring chronologies."

Nature 315, 317-319

(keywords: UK historical tree rings)

Bradley, R.S. and Jones, P.D., 1985

“Data base for isolating the effects of increasing carbon dioxide concentration.”

In: detecting the Climatic Effects of Increasing Carbon Dioxide (Eds. M.C. MacCracken and F.M. Luther), pp.29-53 DOE/ER-0235, U.S. Dept. of Energy, Carbon Dioxide Research Division.

(keywords: datasets CO2)

Bradley, R.S., Kelly, P.M., Jones, P.D., Goodess, C.M. and Diaz, H.F., 1985

“A Climatic Data Bank for Northern Hemisphere Land Areas, 1851-1980.”

Technical Report TRO17, 335pp U.S. Dept. of Energy, Carbon Dioxide Research Division.

(keywords: datasets climate change NH land historical)

Briffa, K.R. and Wigley, T.M.L., 1985

“Soil moisture reconstruction using tree-rings.”

Climate Monitor 14, 106-113 Climatic Research Unit, University of East Anglia, Norwich, UK. (R)

(keywords: tree rings reconstruction)

Browning, K.A., Cattle, H., Davies, T.D. and others., 1985

“Areas of active research in meteorology.”

Weather 40(11), 352-357

(keywords: meteorology climate change)

Davies, T.D., 1985

“Various sections.”

In: Gaia Atlas of Planet Management (Ed. N. Myers), 272pp Pan Books.

(keywords: climate change)

Davies, T.D., Vincent, C.E. and Beresford, A.K.C., 1985

“July-August rainfall in west-central Kenya.”

Journal of Climatology 5, 17-34

(keywords: precipitation rainfall Kenya climate change impacts)

Farmer, G. and Wigley, T.M.L., 1985

“Climatic Trends for Tropical Africa.”

Report to the Overseas Development Administration, Research Project Number R3950, 136pp (R)

Gordon, G.A., Lough, J.M., Fritts, H.C. and Kelly, P.M., 1985

“Comparison of sea-level pressure reconstructions from western North American tree rings with a proxy record of winter severity in Japan.”

Journal of Climate and Applied Meteorology 24, 1219-1224

(keywords: sea level pressure reconstruction USA tree rings Japan)

Hulme, M., 1985

“Dust production in the Sahel.”

In: 'Matters Arising', Nature 318, p.488

(keywords: drought desertification Africa)

Hulme, M., 1985

“Four reasons why annual rainfall totals are an inadequate guide to the environmental impact of rainfall in semi-arid Sudan.”

Sudan Environment 5, 1-5

(keywords: rainfall datasets impacts drought desertification Sudan)

Hulme, M., 1985

“Secular Climatic and Hydrological Change in Central Sudan.”

Unpublished Ph.D. Thesis, 292pp University of Wales.

(keywords: climate change hydrology Sudan)

Hulme, M. and Walsh, R.P.D., 1985

“A generation of drought that triggered disaster.”

New Scientist, 1451, 11.

(keywords: drought historical impacts)

Jones, P.D., 1985

“Comment on 'Homogeneity of analysis of rainfall series - an application of the use of a realistic rainfall model'.”

Journal of Climatology 5, 337-341

(keywords: rainfall datasets modelling methodology)

Jones, P.D., Kelly, P.M. and Santer, B.D., 1985

“Global surface air temperature variations, 1983-84.”

In: Proc. Ninth Annual Climate Diagnostics Workshop (Ed. W.D. Bonner), pp.1-10 U.S. Dept. of Commerce, NOAA.
(keywords: global surface air temperature climate change historical)

Jones, P.D., Kelly, P.M., Goodess, C.M., Bradley, R.S. and Diaz, H.F., 1985
"Effects of urbanization and other sources of inhomogeneity on the Northern Hemisphere surface air temperature average."
In: Extended Summaries, Third Conference on Climate Variations and Symposium on Contemporary Climate: 1850-2100, pp.19-20 American Meteorological Society, Boston.
(keywords: impacts NH surface air temperature regional)

Jones, P.D., Raper, S.C.B., Santer, B.D., Cherry, B.S.G., Goodess, C.M., Kelly, P.M., Wigley, T.M.L., Bradley, R.S. and Diaz, H.F., 1985
"A Grid Point Surface Air Temperature Data Set for the Northern Hemisphere."
Technical Report TRO22, 251pp U.S. Dept. of Energy, Carbon Dioxide Research Division.
(keywords: datasets surface air temperature NH)

Kelly, P.M. and Campbell, D.A., 1985
"Large-scale water transfers in Siberia."
In: Siberie 1. Questions Siberiennes: economie, ecologie, strategie, pp.209-220 IMSECO, Paris, France. (R)
(keywords: hydrology USSR)

Kelly, P.M. and Sear, C.B., 1985
"The climate impact of explosive volcanic eruptions."
In: Extended Summaries, Third Conference on Climate Variations and Symposium on Contemporary Climate: 1850-2100, pp.178-179 American Meteorological Society, Boston.
(keywords: climate change impacts volcanoes)

Kelly, P.M., Jones, P.D., Wigley, T.M.L., Goodess, C.M., Bradley, R.S. and Diaz, H.F., 1985
"The extended Northern Hemisphere surface air temperature record: 1851-1984."
In: Proc. 3rd Conf. on Climatic Variations and Symposium on Contemporary Climate: 1850-2100, pp.35-36 American Meteorological Society.
(keywords: NH surface air temperature datasets historical)

Kington, J.A., 1985
"The sinking of the "Royal George"."
Popular Archaeology 6, 13-15
(keywords: shipping)

Lamb, H.H., 1985
"'Torro' - and the importance of independent meteorological research."
Journal of Meteorology 10, 180-181
(keywords: meteorology methodology)

Lamb, H.H., 1985
"Climate and its variability in the North Sea-northeast Atlantic region."
In: The North Sea - a Highway of Economic and Cultural Exchange (Eds. A. Bang-Andersen, B. Greenhill and E.H. Grude), pp.27-38 Norwegian University Press.
(keywords: climate change Europe NH regional North Sea Atlantic Europe)

Lamb, H.H., 1985
"Climate and landscape in the British Isles."
In: The English Landscape, Past, Present and Future (Ed. S.R.J. Woodell), pp.148-167 Oxford University Press.
(keywords: climate change UK historical)

Lamb, H.H., 1985
"The reconstruction of past climate"

Lamb, H.H., 1985
"The reconstruction of past climate during the historical period."
Ymer: Himmel och Jord 105, 91-102
(keywords: reconstruction climate change historical)

Mayes, P.R., 1985
"Secular variations in cyclone frequencies near the Drake passage, southwest Atlantic."
Journal of Geophysical Research 90(D3), 5829-5839 (R)
(keywords: storms oceans)

Mortimer, R. and Ingram, M.J., 1985
"Historical climate impact assessments: Climate Impact Assessment: Studies of the Interaction of Climate and Society (Eds. R.W.

Kates, J.H. Ausubel and M. Berberian).”

SCOPE Volume 27, pp.529-563 John Wiley and Sons.

(keywords: historical climate change impacts methodology human)

Norton, D.A., 1985

“A multivariate technique for estimating New Zealand temperature normals.”

Weather and Climate 5, 64-74 (R)

(keywords: methodology statistics New Zealand temperature)

Palutikof, J.P., 1985

“Variability in the wind field over the British Isles.”

Climate Monitor 14, 72-82 Climatic Research Unit, University of East Anglia, Norwich, UK. (R)

(keywords: wind energy speed UK)

Palutikof, J.P., Davies, T.D. and Kelly, P.M., 1985

“The variability of the wind field over the British Isles: implications for windpower production.”

Final Research Report to the Central Electricity Generating Board, 85pp Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: wind energy speed UK power)

Palutikof, J.P., Davies, T.D. and Kelly, P.M., 1985

“An analysis of seven long-term wind-speed records for the British Isles with particular reference to the implications for wind power production.”

In: Wind Energy Conversion 1985 (Ed. A. Garrad), pp.235-240 Mechanical Engineering Publications Ltd., London.

(keywords: wind speed energy UK)

Palutikof, J.P., Kelly, P.M. and Davies, T.D., 1985

“An analysis of the spatial and temporal variations of the wind field over the British Isles.”

In: Proc. European Wind Energy Conference 1984 (Ed. W. Palz), pp.65-70. H.S. Stephens and Associates, Bedford.

(keywords: wind speed energy UK methodology)

Santer, B.D., 1985

“The use of general circulation models in climate impact analysis - a preliminary study of the impacts of a CO₂-induced climatic change on west European agriculture.”

Climatic Change 7, 71-93

(keywords: GCMs climate change impacts methodology CO₂ Europe agriculture modelling)

Tranter, M., Brimblecombe, P., Abrahams, P.W., Blackwood, I., Davies, T.D. and Vincent, C.E., 1985

“The chemical composition of snow at a rural upland site in mid-Wales.”

Atmospheric Environment 19(5), p.841

(keywords: snow Wales precipitation chemistry pollution impacts)

Tranter, M., Brimblecombe, P., Davies, T.D. and Vincent, C.E., 1985

“Composition of meltwaters and preferential elution of solute from snowpack.”

EOS 66, p.896

(keywords: acid snow precipitation pollution impacts chemistry)

Tranter, M., Brimblecombe, P., Davies, T.D., Abrahams, P.W., Blackwood, I.L., Fernandes, A. and Vincent, C.E., 1985

“Particulates in acidic snow from the Cairngorms, Scotland.”

Annals of Glaciology 1(7), p.215

(keywords: acid snow chemistry Scotland UK precipitation pollution)

Tsiouris, S., Vincent, C.E., Davies, T.D. and Brimblecombe, P., 1985

“The elution of ions through field and laboratory snowpacks.”

Annals of Glaciology 7, 196-201

(keywords: acid snow chemistry precipitation)

Webb, T. and Wigley, T.M.L., 1985

“What past climates can tell us about a warmer world.”

In: Projecting the Climatic Effects of Increasing Carbon Dioxide (Eds. M.C. MacCracken and F.M. Luther), pp.237-257 Carbon Dioxide Research Division Report No. DOE/ER-0235, United States Department of Energy, Washington, D.C.

(keywords: climate change global warming greenhouse historical reconstruction)

Wigley, T.M.L., 1985

“Impact of extreme events.”

Nature 316 (News and Views), 106-107 (R)

(keywords: impacts meteorology climate change)

Wigley, T.M.L., 1985

"The reconstruction of European climate on decadal and shorter time scales."

In: Environment and Quality of Life, First R & D Programme in the Field of Climatology (Eds. R. Fantechi and A. Ghazi), pp.81-88 Report EUR 9920 EN, D-G Science, Research & Development, Commission of the European Communities, Brussels.

(keywords: reconstruction Europe climate change datasets modelling)

Wigley, T.M.L. and Jones, P.D., 1985

"Influences of precipitation changes and direct CO2 effects on streamflow."

Nature 314, 149-152 (R)

(keywords: precipitation impacts CO2 hydrology)

Wigley, T.M.L. and Schlesinger, M.E., 1985

"Analytical solution for the effect of increasing CO2 on global mean temperature."

Nature 315, 649-652 (R)

(keywords: CO2 global warming temperature methodology)

Wigley, T.M.L. and Schlesinger, M.E., 1985

"Transient-response and the detection of CO2-induced climatic change."

In: Proc. 3rd Conference on Climatic Variations and Symposium on Contemporary Climate: 1850-2100, pp.138-139 American Meteorological Society.

(keywords: response function statistics methodology CO2 climate change)

Wigley, T.M.L., Angell, J.K. and Jones, P.D., 1985

"Analysis of the atmospheric temperature record."

In: Detecting the Climatic Effects of Increasing Carbon Dioxide (Eds. M.C. MacCracken and F.M. Luther), pp.55-90 U.S. Dept. of Energy, Carbon Dioxide Research Division.

(keywords: atmospheric temperature datasets)

Wigley, T.M.L., Huckstep, N.J., Ogilvie, A.E.J., Farmer, G., Mortimer, R. and Ingram, M.J., 1985

"Historical climate impact assessments."

In: Climate Impact Assessment: Studies of the Interaction of Climate and Society (Eds. R.W. Kates, J.H. Ausubel and M. Berberian), pp.529-563 SCOPE Publication 27, John Wiley and Sons, London. (R)

(keywords: historical climate change impacts methodology)

1984

Briffa, K.R., 1984

"Tree-climate relationships and dendroclimatological reconstruction in the British Isles."

Unpublished Ph.D. Dissertation. University of East Anglia, Norwich, UK.

(keywords: tree rings climate change dendro reconstruction UK)

Briffa, K.R., Jones, P.D., Pilcher, J.R. and Hughes, M.K., 1984

"Reconstructing summer temperatures in Northern Fennoscandia back to A.D. 1700 using tree-ring data from Scots Pine."

Arctic and Alpine Research 20(4), 385-394 (R)

(keywords: tree rings reconstructions Europe dendro)

Clegg, S.L. and Wigley, T.M.L., 1984

"Periodicities in precipitation in north-east China, 1470-1979."

Geophysical Research Letters 11, 1219-1222 (R)

(keywords: precipitation China historical datasets)

Davies, T.D., 1984

"Rainborne SO2, precipitation pH and airborne SO2 over short sampling times throughout individual events."

Atmospheric Environment 18(11), 2499-2502

(keywords: precipitation pollution SO2 atmospheric chemistry)

Davies, T.D. (Ed.), 1984

"Lead in Petrol: Yes or No?"

Norwich Pollution Prevention Advisory Panel, 26pp

(keywords: pollution lead petrol impacts)

Davies, T.D. and Mitchell, J.R., 1984

"Dry deposition of sulphur dioxide onto grass in rural Eastern England (with some comparisons with other forms of sulphur deposition)."

In: Precipitation scavenging, Dry Deposition and Resuspension (Eds. H.R. Pruppacher, R.G. Semonin, W.G.N. Slinn), pp.795-805

Elsevier

(keywords: deposition SO2 UK regional methodology)

Davies, T.D., Abrahams, P.W., Tranter, M., Blackwood, I., Brimblecombe, P. and Vincent, C.E., 1984

"Black acidic snow in the remote Scottish Highlands."

Nature 312, 58-61

(keywords: acid snow pollution Scotland UK deposition impacts)

Davies, T.D., Palutikof, J.P. and Moore, D.J., 1984

"Climatic variability of the wind field over the British Isles and surrounding seas: implications for wind power production."

CERL

(keywords: climate change wind power UK)

Davies, T.D., Ramer, B., Kaspyzok, G. and Delany, A.C., 1984

"Indoor/outdoor ozone concentration at a contemporary art gallery."

Journal of the Air Pollution Control Association 31(2), 135-137

(keywords: ozone pollution indoor)

Farmer, G. and Ford, M.J., 1984

"The contribution of biological sciences to the reconstruction of past climates."

In: The Evolution of the East Asian Environment (Ed. R.O. Whyte), pp.188-198 Centre of Asian Studies, University of Hong Kong. (R)

(keywords: reconstruction climate historical agriculture)

Farmer, G. and Kelly, P.M., 1984

"Climatic variation in the North Sea region."

In: Seabed Mechanics (Ed. B. Denness), pp.223-231 Graham and Trotman, London. (R)

(keywords: climate change oceans Europe North Sea)

Goodess, C.M., Wigzell, M. and Kelly, P.M., 1984

"The design of a climatic data bank and information retrieval system."

In: Proc. Tenth Northern Libraries Colloquy (Eds. J.A. Whittick and B.D. Rodden), pp.89-111 C-CORE Publication No.84-19. C-CORE, Memorial University of Newfoundland, St. John's.

(keywords: climate change datasets methodology)

Holt, T., Kelly, P.M. and Cherry, B.S.G., 1984

"Cryospheric impacts of Soviet river diversion schemes."

Annals of Glaciology 5, 61-68 (R)

(keywords: hydrology USSR)

Hughes, M.K., Schweingruber, F.H., Cartwright, D. and Kelly, P.M., 1984

"July-August temperature at Edinburgh between 1721 and 1975 from tree-ring density and width data."

Nature 308, 341-344 (R)

(keywords: temperature UK tree rings historical datasets reconstruction)

Hulme, M., 1984

"1983: an exceptionally dry year in central Sudan."

Weather 39, 270-274

(keywords: Sudan drought desertification historical)

Hulme, M. (with A. Trilsbach), 1984

"Recent rainfall changes in central Sudan and their physical and human implications."

Trans. Inst. Brit. Geogs. 9, 280-298

(keywords: rainfall Sudan impacts drought desertification)

Jones, P.D., 1984

"Riverflow reconstruction from rainfall data."

Journal of Climatology 4, 171-186 (R)

(keywords: hydrology rainfall datasets reconstruction)

Jones, P.D., Briffa, K.R. and Pilcher, J.R., 1984

"Riverflow reconstruction from tree rings in southern Britain."

Journal of Climatology 4, 461-472 (R)

(keywords: hydrology reconstruction tree rings UK)

Jones, P.D., Ogilvie, A.E.J. and Wigley, T.M.L., 1984

"Riverflow Data for the United Kingdom: Reconstructed Data Back to 1844 and Historical Data Back to 1556."

Climatic Research Unit Research Publication No. 8, 166pp (R)

(keywords: hydrology datasets UK reconstruction historical)

Kelly, P.M., 1984

"Climatic change: past lessons and future prospects."

In: Proc. Expert Consultation to Examine the Changes in Abundance and Species Composition of Neritic Fish Resources. F.A.O. Fisheries Report No. 291, Vol. 3, pp.595-605 F.A.O., Rome, Italy.

(keywords: climate change historical impacts political)

Kelly, P.M., 1984

"Not with a bang but a winter."

New Scientist 103, 33-36

(keywords: nuclear winter climate change)

Kelly, P.M., 1984

"Recent climatic variations in the North Atlantic sector."

Rapp. Reun. Const. Int. Explor. Mer 9, 222-229 (R)

(keywords: climate change oceans NH)

Kelly, P.M. and Jones, P.D., 1984

"Global surface air temperature variations 1982-3."

In: Proc. 8th Annual Climate Diagnostics Workshop (Ed. J.L. Rasmussen), pp.26-35 U.S. Department of Commerce, Washington, D.C.

(keywords: global surface air temperature climate change historical)

Kelly, P.M. and Sear, C.B., 1984

"Climatic impact of explosive volcanic eruptions."

Nature 311, 740-743 (R)

(keywords: climate change impacts volcanoes)

Kelly, P.M., Karas, J.H.W. and Williams, L.D., 1984

"Arctic climate: past, present and future."

In: Proc. Symposium on Arctic Whaling, pp.25-38 Arctic Centre, University of Groningen, The Netherlands. (R)

(keywords: climate change NH historical Arctic)

Lamb, H.H., 1984

"Climate and history in northern Europe and elsewhere."

In: Climatic Changes on a Yearly to Millennial Basis (Eds. N.-A. Morner and W. Karlen), pp.225-240 Reidel. (R)

(keywords: climate change historical Europe global)

Lamb, H.H., 1984

"Some studies of the Little Ice Age of recent centuries and its great storms."

In: Climatic Changes on a Yearly to Millennial Basis (Eds. N.-A. Morner and W. Karlen), pp.309-329 Reidel.

(keywords: historical storms LIA)

Lamb, H.H., 1984

"The future of the Earth - greenhouse or refrigerator?"

Journal of Meteorology 9, 237-242

(keywords: impacts forecasting greenhouse)

Menil, H., Bach, W., Santer, B.D., Jung, J., Jager, J., Knottenberg, H., Marr, G. and Schwieren, G., 1984

"The Socio-Economic Impacts of Climate Change."

Report to the Commission of the European Communities, Contract No. 83319.

(keywords: impacts climate change)

Nicholson, S.E. and Wigley, T.M.L., 1984

"Drought in Morocco, I. The General Climatology of Drought."

Report to the Conseil Supérieur de l'Eau (limited distribution).

(keywords: drought Morocco climate Africa)

Norton, D.A., 1984

"Phenological growth characteristics of Nothofagus solandri trees at three altitudes in the Craigieburn Range, New Zealand."

New Zealand Journal of Botany 22, 413-424 (R)

(keywords: tree rings dendro New Zealand)

Norton, D.A. and Schonenburger, W., 1984

"The growth forms and ecology of Nothofagus solandri at the Alpine timberline in the Craigieburn Range, New Zealand."

Arctic and Alpine Research 16, 361-370 (R)

(keywords: dendro ecology New Zealand tree rings)

Ogilvie, A.E.J., 1984

"The impact of climate on grass growth and hay yield in Iceland: AD 1601 to 1780."

In: Climate Changes on a Yearly to Millennial Basis (Eds. N.-A. Morner and W. Karlen), pp.343-352 Reidel. (R)

(keywords: climate change agriculture Iceland historical)

Ogilvie, A.E.J., 1984

"The past climate and sea-ice record from Iceland. Part 1: Data to A.D. 1780."

Climate Change 6, 131-152 (R)

(keywords: climate change sea ice reconstruction Iceland historical)

Palutikof, J., Davies, T.D. and Kelly, P.M., 1984

"A data bank of wind speed records for the British Isles and offshore waters."

In: Wind Energy Conversion, Proc. 6th BWEA Wind Energy Conference (Ed. P. Musgrove), pp.414-425 Cambridge University Press.

(keywords: wind speed power UK regional)

Palutikof, J.P., Davies, T.D. and Kelly, P.M., 1984

"A data bank of wind speed records for the British Isles and offshore waters."

In: Wind Energy Conversion 1984 (Ed. P. Musgrove), pp.414-425 Cambridge University Press, Cambridge.

(keywords: datasets wind energy UK)

Palutikof, J.P., Wigley, T.M.L. and Farmer, G., 1984

"The impact of CO₂-induced climate change on crop-yields in England and Wales."

Progress in Biometeorology 3 (Interactions between Climate and Biosphere), 320-334. (R)

(keywords: CO₂ climate change impacts agriculture UK)

Palutikof, J.P., Wigley, T.M.L. and Lough, J.M., 1984

"Seasonal Climate Scenarios for Europe and North America in a high CO₂ warmer world."

U.S. Dept. of Energy, Carbon Dioxide Research Division, Technical Report TRO12. (R)

(keywords: climate change Europe USA CO₂ greenhouse)

Raper, S.C.B., Wigley, T.M.L., Mayes, P.R., Jones, P.D. and Salinger, M.J., 1984

"Variations in surface air temperatures: Part III, the Antarctic, 1957-1982."

Monthly Weather Review 112, 1341-1353 (R)

(keywords: surface air temperature Antarctic historical)

Santer, B.D., 1984

"The impacts of a CO₂-induced climatic change on the European agricultural sector: a case study."

In: The Socio-economic Impacts of Climatic Changes due to a Doubling of Atmospheric Carbon Dioxide Content. Report to the Commission of the European Communities.

(keywords: CO₂ impacts climate change Europe agriculture)

Warrick, R.A., 1984

"The possible impacts on wheat production of a recurrence of the 1930s drought in the U.S. Great Plains."

Climatic Change 6, 5-26 (R)

(keywords: impacts agriculture drought USA)

Wigley, T.M.L. and Nicholson, S.E., 1984

"Drought in Morocco, III. Statistical analysis of precipitation data."

Report to the Conseil Supérieur de l'Eau, Maroc (limited distribution).

(keywords: drought Morocco statistics precipitation datasets)

Wigley, T.M.L., Briffa, K.R. and Jones, P.D., 1984

"On the average value of correlated time series with applications in dendroclimatology and hydrometeorology."

Journal of Climate and Applied Meteorology 23, 201-213 (R)

(keywords: datasets statistics dendro climate change hydrology tree rings)

Wigley, T.M.L., Briffa, K.R. and Jones, P.D., 1984

"Predicting plant productivity and water resources."

Nature 312 (News and Views), 102-103 (R)

(keywords: forecasting agriculture hydrology drought)

Wigley, T.M.L., Lough, J.M. and Jones, P.D., 1984

"Spatial patterns of precipitation in England and Wales and a revised, homogeneous England and Wales precipitation series."

Journal of Climatology 4, 1-25 (R)

(keywords: precipitation UK datasets statistics)

World Meteorological Organisation., 1984

"Report of the WMO/UNEP/ICSU-SCOPE Expert Meeting on the Reliability of Current Climate Models for Assessing the Impacts of Climatic Change and Variability, Geneva, May 1984 (Ed. R.A. Warrick)."

1983

Atkinson, T.C., Smart, P.L. and Wigley, T.M.L., 1983
“*Climate and natural radon levels in Castleguard Cave, Columbia Icefields, Alberta, Canada.*”
Arctic and Alpine Research 15, 487-502 (R)
(keywords: climate change radon Canada)

Briffa, K.R., Jones, P.D. and Wigley, T.M.L., 1983
“*The potential for climate reconstruction in England using tree rings.*”
Climate Monitor 12, 117-122 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: climate change reconstruction historical tree rings UK)

Briffa, K.R., Jones, P.D., Wigley, T.M.L., Pilcher, J.R. and Baillie, M.G.L., 1983
“*Climate reconstruction from tree rings: Part 1, basic methodology and preliminary results for England.*”
Journal of Climatology 3, 233-242 (R)
(keywords: reconstruction climate change tree rings dendro methodology UK)

Davies, T.D., 1983
“*Sulphur dioxide precipitation scavenging.*”
Atmospheric Environment 17(4), 797-805
(keywords: SO2 precipitation pollution atmospheric)

Davies, T.D., Palutikof, J.P. and Moore, D.J., 1983
“*CEGB research contract: climatic variability of the wind field over the British Isles and surrounding seas: implications for wind power production.*”
CERL Memorandum TPRD/L/AP/0128/M83, Central Electricity Research Laboratories, Leatherhead, 12pp
(keywords: climate change wind energy UK)

Delaney, A.C. and Davies, T.D., 1983
“*Dry deposition of NOx to grass in rural East Anglia.*”
Atmospheric Environment 17, 1391-1394
(keywords: NOx deposition pollution regional UK)

Farmer, G., 1983
“*What's happened to the Southern Hemisphere weather?*”
Weather 38, 387-388 (R)
(keywords: SH climate change meteorology)

Farmer, G. and Wigley, T.M.L., 1983
“*The Reconstruction of European Climate on Decadal and Shorter Time Scales.*”
Final Report to the Commission of the European Communities, Contract No. CL-029-81-UK(H), 330pp
(keywords: reconstruction climate change Europe)

Gray, B.M., 1983
“*Distinguishing signal and noise in climatological spectra.*”
In: Short Communications, pp.309-323 Royal Meteorological Society. (R)
(keywords: statistics climate change detection)

Gray, B.M. and Pilcher, J.R., 1983
“*Testing the significance of summary response functions.*”
Tree Ring Bulletin 43, 31-38 (R)
(keywords: statistics detection)

Hulme, M., 1983
“*Unusual rains in the 1982-83 'dry' season at Khartoum.*”
Weather 38, 275-276
(keywords: rainfall precipitation Sudan)

Jones, P.D., 1983
“*Further composite rainfall records for the United Kingdom.*”
Meteorological Magazine 112, 19-27 (R)
(keywords: rainfall reconstruction UK datasets)

Jones, P.D., 1983

“Improvement of flow frequency and flow duration estimates using reconstructed riverflows.”

Water Services 87, 485-486 (Part 1), 528-531 (Part 2). (R)

(keywords: hydrology reconstruction)

Jones, P.D. and Kelly, P.M., 1983

“The spatial and temporal characteristics of Northern Hemisphere surface air temperature variations.”

Journal of Climatology 3, 243-252 (R)

(keywords: statistics NH surface air temperature)

Jones, P.D., Kelly, P.M. and Tu Qipu., 1983

“Global surface air temperature variations 1981-1982.”

In: Proc. 7th Annual Climate Diagnostics Workshop (Ed. J.L. Ras mussen), pp.80-88 U.S. Dept. of Commerce, Washington, D.C.

(R)

(keywords: global surface air temperature climate change historical)

Jones, P.D., Wigley, T.M.L. and Briffa, K.R., 1983

“Reconstructing surface pressure patterns using principal components regression on temperature and precipitation data.”

In: Proc. 2nd International Meeting on Statistical Climatology, pp.4.2.1-4.2.8 National Institute of Meteorology and Geophysics, Lisbon, Portugal. (R)

(keywords: reconstruction surface pressure statistics temperature precipitation datasets)

Kelly, P.M., 1983

“Klimaatvoorspelling.”

Natuur en Techniek 4, 256-271

(keywords: climate change)

Kelly, P.M., 1983

“The prediction of climate.”

Natuur en Techniek 51, 272-287

(keywords: forecasting climate change)

Kelly, P.M. and Jones, P.D., 1983

“The evidence for cycles on solar time scales in climate data.”

In: Weather and Climate Responses to Solar Variations (Ed. B.M. McCormac), pp.581-590 Colorado Associated University Press.

(R)

(keywords: cycles solar climate change datasets)

Kelly, P.M., Campbell, D.A., Micklin, P.P. and Tarrant, J.R., 1983

“Large-scale water transfers in the USSR.”

GeoJournal 7, 201-214 (R)

(keywords: hydrology climate change USSR)

Kington, J.A. and Kington, B.D., 1983

“When the air-age lifted off.”

Geographical Magazine 55, 587-590

(keywords: aviation historical)

Lamb, H.H., 1983

“Climate.”

In: Britain's Heritage Atlas (Ed. J.J. Norwich), pp.14-15 Granada.

(keywords: climate historical UK)

Lough, J.M., Wigley, T.M.L. and Palutikof, J.P., 1983

“Climate and climate impact scenarios for Europe in a warmer world.”

Journal of Climate and Applied Meteorology 22, 1673-1684 (R)

(keywords: climate change impacts scenarios Europe global warming greenhouse)

Mount, L.E. and Brown, D., 1983

“Wind chill in sheep: its estimation from meteorological records.”

Agricultural Meteorology 29, 259-268

(keywords: wind chill meteorology agriculture reconstruction methodology)

Norton, D.A., 1983

“Modern New Zealand and tree-ring chronologies. II. Nothofagus menziesii.”

Tree Ring Bulletin 43, 39-49 (R)

(keywords: New Zealand tree rings climate change reconstruction statistics)

Norton, D.A., 1983
“*Modern New Zealand and tree-ring chronologies. I. Nothofagus solandri.*”
Tree Ring Bulletin 43, 39-49 (R)
(keywords: New Zealand tree rings reconstruction statistics)

Palutikof, J.P., 1983
“*Climate-transport relationships in Great Britain.*”
In: Proc. 2nd International Meeting on Statistical Climatology, pp.8.4.1-8.4.7 National Institute of Meteorology and Geophysics, Lisbon, Portugal. (R)
(keywords: climate UK statistics transport highway meteorology)

Palutikof, J.P., 1983
“*The effect of climate on road transport.*”
Climate Monitor 12, 46-53 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: climate impacts highway meteorology transport)

Palutikof, J.P., 1983
“*The impact of weather and climate on industrial production in Britain.*”
Journal of Climatology 3, 65-79 (R)
(keywords: meteorology climate change industry impacts transport UK)

Raper, S.C.B., 1983
“*Annual temperatures in the Antarctic, 1957-1983.*”
Climate Monitor 12, No.5, 142-144 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: temperature Antarctic historical datasets)

Raper, S.C.B., 1983
“*Autumn temperatures in the Antarctic, 1957-1983.*”
Climate Monitor 12, No.2, 44-45 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: temperature Antarctic datasets historical)

Raper, S.C.B., 1983
“*Spring temperatures in the Antarctic, 1957-1983.*”
Climate Monitor 12, No.4, 115-116 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: temperature Antarctic datasets historical)

Raper, S.C.B., 1983
“*Summer temperatures in the Antarctic, 1958-1983.*”
Climate Monitor 12, No.1, 15-17 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K. (R)
(keywords: temperature Antarctic datasets historical)

Raper, S.C.B., 1983
“*Winter temperatures in the Antarctic, 1957-1953.*”
Climate Monitor 12, No.3, 76-77 (R)
(keywords: temperature Antarctic datasets historical)

Raper, S.C.B., Wigley, T.M.L., Jones, P.D., Kelly, P.M., Mayes, P.K. and Limbert, D.W.S., 1983
“*Recent temperature changes in the Arctic and Antarctic.*”
Nature 306, 458-459 (R)
(keywords: temperature climate change Arctic Antarctic)

Warrick, R.A., 1983
“*Drought in the Great Plains: shifting social consequences.*”
In: New Perspectives on Natural Hazards (Ed. K. Hewitt). Allen and Unwin, Inc., London.
(keywords: drought USA impacts social)

Wigley, T.M.L., 1983
“*The pre-industrial carbon dioxide level.*”
Climatic Change 5, 315-320 (R)
(keywords: CO2 historical)

Wigley, T.M.L., 1983
“*The role of statistics in climate impact analysis.*”
In: Proc. 2nd International Meeting on Statistical Climatology, pp.8.1.1-8.1.10 National Institute of Meteorology and Geophysics, Lisbon, Portugal. (R)
(keywords: statistics climate change impacts methodology)

Wigley, T.M.L. and Tu Qipu., 1983
“*Crop-climate modelling using spatial patterns of yield and climate: Part 1, Background and an example from Australia.*”

Williams, L.D. and Wigley, T.M.L., 1983

"A comparison of evidence for Late Holocene summer temperature variations in the Northern Hemisphere."

Quaternary Research 20, 286-307 (R)

(keywords: temperature climate change historical NH datasets statistics detection)

1982

Brimblecombe, P. and Davies, T.D., 1982

"The Earth's Atmosphere."

In: Cambridge Encyclopaedia of Earth Sciences (Ed. D. Smith). Cambridge University Press.

(keywords: Earth atmosphere)

Davies, T.D., 1982

"Atmosphere and Weather."

In: Cambridge Encyclopaedia of Earth Sciences (Ed. D. Smith), pp.277-192 Cambridge University Press.

(keywords: atmosphere weather)

Davies, T.D. (Ed.), 1982

"Pesticides: Friend or Foe?"

Norwich Pollution Prevention Advisory Panel, Norwich, 28pp

(keywords: pollution agriculture pesticides impacts)

Davies, T.D. and Nicholson, K.W., 1982

"Dry deposition velocities of aerosol sulphate in rural eastern England."

In: Deposition of Atmospheric Pollutants (Eds. Georgii, H.W. and Pankrath, J.D.), pp.31-42 Reidel Publ. Co.

(keywords: deposition aerosols sulphate UK regional pollution)

Davies, T.D., Vincent, C.E. and Brimblecombe, P., 1982

"Preferential elution of strong acids from a Norwegian ice cap."

Nature 300(5888), 161-163

(keywords: acid Norway pollution impacts glaciology)

Dent, D.L., Tarrant, J.R. and Davies, T.D., 1982

"Remote sensing."

In: Environmental Science Methods (Ed. R.M. Haynes), pp.240-275 Chapman and Hall, London.

(keywords: satellite remote sensing detection methodology)

Farmer, G. and Mortimer, R., 1982

"Comparison of 1340s daily weather data with the modern period."

Weather 37, 58-61 and 31-32 (R)

(keywords: datasets historical methodology)

Gray, B.M., 1982

"Multiple interpolation in climatological spectra."

Journal of Climatology 2, 291-296 (R)

(keywords: climate change climatology statistics datasets methodology)

Haynes, R.M., Harvey, J.G. and Davies, T.D., 1982

"Measurement."

In: Environmental Science Methods (Ed. R.M. Haynes), pp.1-25 Chapman and Hall, London.

(keywords: methodology)

Haynes, R.M., Yardley, B.W.D. and Davies, T.D., 1982

"Maps."

In: Environmental Science Methods (Ed. R.M. Haynes), pp.276-316 Chapman and Hall, London.

(keywords: methodology)

Hughes, M.K., Kelly, P.M., Pilcher, J.R. and LaMarche, V.C. (Jr) (Eds.), 1982

"Climate from Tree Rings."

233pp Cambridge University Press.

(keywords: climate change detection dendro tree rings reconstruction book)

Hulme, M., 1982

“A new winter index and geographical variations in winter weather.”

Journal of Meteorology 7, 294-300

(keywords: statistics meteorology climatology climate change regional)

Jones, P.D. and Kelly, P.M., 1982

“Principal component analysis of the Lamb Catalogue of Daily Weather Types : Pt. 1, Annual Frequencies.”

Journal of Climatology 2, 147-157 (R)

(keywords: statistics datasets LWTs)

Jones, P.D., Wigley, T.M.L. and Kelly, P.M., 1982

“Variations in surface air temperatures: Pt. 1, Northern Hemisphere, 1881- 1980.”

Monthly Weather Review 110, 59-70 (R)

(keywords: surface air temperature climate change global warming historical)

Kates, R.W. and Warrick, R.A., 1982

“The Effects of Climatic Fluctuations on Human Populations: Final Report.”

Final Report submitted to the National Science Foundation, Clim ate Dynamics Progra, NSF Grant No.ATM-800635.

(keywords: climate change impacts social industry agriculture global warming huma n)

Kelly, P.M., 1982

“Changes in the weather.”

Water Bulletin 20, 11-13

(keywords: climate change meteorology impacts agriculture social industry hydrolo gy human)

Kelly, P.M., 1982

“Climate and climatic change.”

In: Cambridge Encyclopaedia of the Earth Sciences (Ed. D.G. Smi th), pp.297-310 Cambridge University Press.

(keywords: climate change statistics datasets historical impacts)

Kelly, P.M., 1982

“Northern Hemisphere: climatic context.”

In: Climate from Tree Rings (Eds. M.K. Hughes, P.M. Kelly, J.R. Pilcher and V.C. LaMarche, Jr.), pp.105-107 Cambridge University Press.

(keywords: NH climate change climatology)

Kelly, P.M. and Jones, P.D., 1982

“Northern Hemisphere surface air temperatures, 1881-1981.”

In: Proc. 6th Annual Climate Diagnostics Workshop (Ed. J.S. Win ston), pp.28-31 U.S. Dept. of Commerce, Washington, D.C.

(keywords: NH surface air temperature historical datasets reconstruction)

Kelly, P.M. and Palutikof, J.P., 1982

“Facing up to the weather.”

Marxism Today 65, 14-17 (R)

(keywords: climate change impacts)

Kelly, P.M. and Sear, C.B., 1982

“The formulation of Lamb's Dust Veil Index.”

In: Atmospheric Effects and the Potential Climate Impact of the 1980 Eruption of Mt. St. Helens (Ed. A. Deepak), pp.293-298

NASA Conference Publication 22401, Washington, D.C. (R)

(keywords: methodology meteorology volcanoes)

Kelly, P.M., Jones, P.D., Sear, C.B., Cherry, B.S.G. and Tavakol, R.K ., 1982

“Variations in surface temperatures: Pt.2, Arctic regions, 1881-1980.”

Monthly Weather Review 110, 71-83 (R)

(keywords: surface temperature Arctic historical)

Kelly, P.M., Wigley, T.M.L. and Jones, P.D., 1982

“Comment on 'Detecting carbon dioxide effects on climate' by W.H. Klein.”

In: Carbon Dioxide Review: 1982 (Ed. W.C. Clark), pp.246-251 Oxford University Press, New York.

(keywords: CO2 detection climate change global warming impacts)

Kington, J.A., 1982

“'World Weather' and 'Forecasting'.”

In: The Weather Book (Ed. Z. Vrbova), pp.122-145 and 182-215 Harrow House Editions, Michael Joseph, London.

(keywords: meteorology global forecasting historical climate change)

Lamb, H.H., 1982

“Climate, History and the Modern World.”

387pp Methuen, London.
(keywords: climate change historical impacts book)

Lamb, H.H., 1982
“*Climate changes in our own times and future threats.*”
Geography 67, 203-220 (R)
(keywords: climate change historical global impacts forecasting)

Lamb, H.H., 1982
“*Reconstruction of the course of past climate over the world.*”
In: Climatic Change in Later Prehistory (Ed. A.F. Harding), pp.11-32 Edinburgh University Press. (R)
(keywords: reconstruction global climate change historical)

Lamb, H.H., 1982
“*The climatic environment of the Arctic Ocean.*”
In: The Arctic Ocean: Hydrographic Environment and the Fate of Pollutants (Ed. L. Rey), pp.135-161 Macmillan, London, for
Comite Arctique Internationale, Monaco. (R)
(keywords: climate change Arctic oceans pollution)

Lamb, H.H., 1982
“*The development of climate and its relevance to human affairs.*”
Proc. Royal Institution, London 54, pp.65-95 (R)
(keywords: climate change impacts historical social agriculture industry human)

Palutikof, J.P., Farmer, G. and Wigley, T.M.L., 1982
“*Strategies for the amelioration of agricultural drought in Africa.*”
In: Proc. Technical Conference on Climate - Africa, pp.228-248 World Meteorological Organization (WMO No.156). (R)
(keywords: agriculture Africa drought political climate change rainfall)

Pilcher, J.R. and Gray, B.M., 1982
“*The relationship between oak tree growth and climate in Britain.*”
Journal of Ecology 70, 297-304 (R)
(keywords: tree rings dendro climate change UK statistics)

Pittock, A.B. and Salinger, M.J., 1982
“*Towards regional scenarios for a CO₂-warmed earth.*”
Climatic Change 4, 23-40 (R)
(keywords: regional scenarios CO₂ global warming forecasting modelling)

Salinger, M.J., 1982
“*Climatic context in the Southern Hemisphere.*”
In: Climate from Tree Rings (Eds. M.K. Hughes, P.M. Kelly, J.R. Pilcher and V.C. LaMarche Jr.), pp.79-82 Cambridge
University Press.
(keywords: climate change SH historical reconstruction)

Salinger, M.J., 1982
“*New Zealand scenarios for a CO₂-warmed earth.*”
Weather and Climate 2, 9-15
(keywords: New Zealand scenarios CO₂ global warming forecasting)

Salinger, M.J., 1982
“*On the suggestion of post-1950 warming over New Zealand.*”
New Zealand Journal of Science 25, 77-88
(keywords: global warming New Zealand reconstruction historical)

Warrick, R.A., 1982
“*Book Review of 'Vulnerability, Resilience, and Collapse of Society' by P. Timmerman.*”
Climatic Change.
(keywords: impacts political climate change)

Warrick, R.A. and Lyons, J., 1982
“*Assessing Vulnerability to Volcanic Ashfall in East Central Washington: Decision-making and Adjustment in the Agricultural Sector.*”
Final Report submitted to the National Science Foundation, Engineering and Environmental Science Division.
(keywords: volcanoes impacts political agriculture risk analysis)

Wigley, T.M.L., 1982
“*Energy production and climatic change: an assessment.*”

In: Uranium and Nuclear Energy: 1981, pp.291-327 Butterworths Scientific Ltd. (R)
(keywords: energy climate change impacts global warming ice)

Wigley, T.M.L., 1982

"Oxygen-18, Carbon-13 and Carbon-14 in tree rings."

In: Climate from Tree Rings (Eds. M.K. Hughes, P.M. Kelly, J.R. Pilcher and V.C. LaMarche, Jr.), pp.18-21 Cambridge University Press.

(keywords: tree rings chemistry)

Wigley, T.M.L., 1982

"Warming of the climate."

Futures 14, 77-79 (R)

(keywords: global warming CO2 impacts modelling)

Wigley, T.M.L. and Farmer, G., 1982

"Climate of the Eastern Mediterranean and Near East."

In: Palaeoclimates, Palaeoenvironments and Human Communities in the Eastern Mediterranean Region of Later Prehistory (Eds. J.L. Bintliff and W. van Zeist), pp.3-39 B.A.R. International Series 133(i). (R)

(keywords: climate Mediterranean regional)

Wigley, T.M.L. and Jones, P.D., 1982

"Signal-to-noise ratios for surface air temperature and the detection of C O2-induced climatic change."

In: Proc. Workshop on First Detection of Carbon Dioxide Effects (Eds. H. Moses and M.C. MacCracken), pp.143-158 U.S. Dept. of Energy, Carbon Dioxide Research Division 018, DOE/CONF- 8106214, UC-11.

(keywords: surface air temperature detection CO2 climate change statistics modelling global warming ice)

Wright, C.E. and Jones, P.D., 1982

"Long period weather records, drought and water resources."

In: Optimal Allocation of Water Resources. Proc. AHS Scientific General Assembly. IASH Publication No.135, pp.89-100 (R)

(keywords: historical records meteorology drought hydrology reconstruction statistics)

1981

Beresford, A.K.C., Davies, T.D. and Vincent, C.E., 1981

"Rift valley lakes record East Africa's climate."

Geographical Magazine, 976-980

(keywords: lakes proxy climate change Africa)

Bowden, M., Kates, R., Kay, P., Riebsame, W., Gould, H., Johnson, D., Warrick, R. and Weiner, D., 1981

"The effects of climate fluctuations on human populations: two hypotheses."

In: Climate and History (Eds. T.M.L. Wigley, M. Ingram and G. Farmer). Cambridge University Press, Cambridge.

(keywords: human impacts climate change population sea level social)

Davies, T.D. and Vincent, C.E., 1981

"Trace anion concentrations in a Norwegian ice core."

International Environment and Safety, 18-19

(keywords: anion Norway ice cores proxy pollution)

Farmer, G., 1981

"Regionalisation and Study of an Alleged Change in the Rainfall Climatology of East Africa."

Unpublished Ph.D. Thesis, Sheffield University. 260pp

(keywords: Africa rainfall climate change regional precipitation)

Farmer, G., 1981-86

"Country by country listings of exceptional climatic events."

Climate Monitor, Vols.10-15. (R)

(keywords: exceptional climate events)

Gray, B.M., 1981

"On the stability of temperature eigenvector patterns."

Journal of Climatology 1, 273-281 (R)

(keywords: eigenvector pattern temperature statistics)

Gray, B.M. Wigley, T.M.L. and Pilcher, J.R., 1981

"The statistical significance and reproducibility of tree-ring response functions."

Tree Ring Bulletin 41, 21-35 (R)

(keywords: statistics tree rings response function dendro)

- Hoskins, B.J., James, I.N., White, G.H. and Raper, S.C.B., 1981
"Diagnostics of the global atmospheric circulation from ECMWF archived analyses."
 Research Activities in Atmospheric and Oceanic Modelling (Ed. I.D. Rutherford). Report No.2 Numerical Experimental Program GARP and WCRP.
 (keywords: atmospheric circulation datasets oceanography modelling)
- Huckstep, N., 1981
"Historical source material and the reconstruction of past climates."
 In: Consequences of Climatic Change (Eds. M.L. Parry and C. Delano-Smith), pp.119-123 Department of Geography, University of Nottingham. (R)
 (keywords: historical records reconstruction climate change)
- Ingram, M.J., Farmer, G. and Wigley, T.M.L., 1981
"Past climates and their impact on Man: a review."
 In: Climate and History (Eds. T.M.L. Wigley, M.J. Ingram and G. Farmer), pp.3-50 Cambridge University Press.
 (keywords: climate change impacts human social agriculture industry historical records reconstruction)
- Ingram, M.J., Underhill, D.J. and Farmer, G., 1981
"The use of documentary sources for the study of past climates."
 In: Climate and History (Eds. T.M.L. Wigley, M.J. Ingram and G. Farmer), pp.180-213 Cambridge University Press.
 (keywords: historical records climate change reconstruction)
- Jones, P.D., 1981
"A survey of rainfall recording in two regions of the Northern Pennines."
 Meteorological Magazine 110, 239-252 (R)
 (keywords: rainfall historical records regional UK precipitation)
- Jones, P.D., 1981
"The Forces of Nature."
 In: World of Nature Series, 64pp Wayland.
 (keywords: climate change historical meteorology)
- Kelly, P.M., 1981
"Die Klimavorhersage tappt im Nebel."
 Umschau in Wissenschaft und Technik 18, 566-569
 (keywords: climate change)
- Kington, J.A. and Kington, B.D., 1981
"Thomas Barker of Lyndon Hall, Rutland and his weather observations."
 Rutland Record 2, 58-67
 (keywords: observations weather historical UK)
- Lamb, H.H., 1981
"An approach to the study of the development of climate and its impact on human affairs."
 In: Climate and History: studies of past climates and their impact on Man (Eds. T.M.L. Wigley, M.J. Ingram and G. Farmer), pp.291-309 Cambridge University Press. (R)
 (keywords: climate change impacts human social agriculture industry political meteorology)
- Lamb, H.H., 1981
"Climate from 1000 BC to 1000 AD."
 In: The Environment of Man: the Iron Age to the Anglo-Saxon Period (Eds. M. Jones and G. Dimbleby), pp.53-65 British Archaeological Reports British Series, 87, Oxford. (R)
 (keywords: climate change historical reconstruction)
- Lamb, H.H., 1981
"Climatic changes and food production: observations and outlook in the modern world."
 Geojournal 5, 101-112 (R)
 (keywords: climate change agriculture industry observations political forecasting impacts)
- Lamb, H.H., 1981
"Effects of climatic change on the people of Europe in the past."
 In: Climatic Change and European Agriculture (Eds. S.W. Burrage and M.V.K. Carr), pp.1-16 Wye College, Centre for European Agricultural Studies.
 (keywords: climate change human social agriculture political historical records reconstruction)
- Lamb, H.H., 1981
"Some aspects of the cold, disturbed climate of recent centuries, the 'Little Ice Age' and similar occurrences."
 In: Weather and Weather Maps (Ed. G.H. Liljeqvist), pp.629-639 Birkhauser Verlag. (R)
 (keywords: ice climate change LIA historical records reconstruction dendro)

Lamb, H.H., 1981

"The late Bronze Age climate."

In: The Brigg 'Raft' and her Prehistoric Environment (Ed. S. Mc Grail), pp.205-207 British Archaeological Reports Series, 89, Oxford. (R)

(keywords: historical climate reconstruction)

Lamb, H.H., 1981

"The life and work of Professor Gordon Manley."

Weather 36, 220-231 (R)

(keywords: climatology historical methodology datasets)

Lamb, H.H., 1981

"The state of the art in climatology: current approaches to scientific und erstanding."

In: Climatic Change and European Agriculture (Eds. S.W. Burring and M.K.V. Carr) pp.17-22 Wye College, Centre for European Agricultural Studies.

(keywords: climatology climate change methodology)

Mortimer, R., 1981

"Beginnings of the Honour of Clare."

In: Proc. Battle Conf. on Anglo-Norman Studies 3 (Ed. R. Allen- Brown), pp.119-141

(keywords: miscellaneous)

Ogilvie, A.E.J., 1981

"Climate and economy in 18th century Iceland."

In: Consequences of Climatic Change (Eds. M.L. Parry and C. Del ano-Smith), pp.54-69 Department of Geography, University of Nottingham. (R)

(keywords: climate change historical Iceland social economic)

Palutikof, J.P., 1981

"Diagrammatic and cartographic techniques of data representation and inter pretation."

In: Fieldword and Data Analysis in Geography (Ed. A.G. Ferguson and P.M. Ngau), 32-73 Macmillan, Nairobi, Kenya. (R)

(keywords: datasets methodology graphics)

Palutikof, J.P., 1981

"Economic disruption caused by climatic extremes."

Climate Monitor 10, 68-73 (R)

(keywords: economic industry social climate change impacts risk assessment)

Palutikof, J.P., 1981

"The Incidence and Impact of Climate Extremes."

Final research report to U.K. Dept. of Environment, 144pp Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U K.

(keywords: impacts climate change risk assessment)

Palutikof, J.P., Lough, J.M. and Farmer, G., 1981

"Senegal River Runoff."

Nature 293 (Matters Arising), 414

(keywords: Senegal hydrology)

Salinger, M.J., 1981

"New Zealand Climate: The Instrumental Record."

Ph.D. Thesis. Victoria University, Wellington, New Zealand.

(keywords: New Zealand climate change observations datasets methodology)

Salinger, M.J., 1981

"Palaeoclimates, North and South."

Nature 291, 106-107

(keywords: palaeo climate change historical records reconstruction)

Salinger, M.J. and Sear, C.B., 1981

"Climate variations in San Diego."

Nature 290, 289-290

(keywords: climate change USA historical records datasets observations regional)

Scammell, R.P., 1981

"Assessment of long term irrigation needs by integration of data for soil and crop characteristics and climate."

Soil Survey and Land Evaluation 1(3), 51-57

(keywords: hydrology drought agriculture climate change)

Vincent, C.E., Davies, T.D. and Brimblecombe, P., 1981

“The Lewis Glacier (Mt. Kenya) and possible links with tropical climate.”

In: Sea Level, Ice and Climatic Change (Proc. Canberra Symposium, Dec. 1979), pp.63-78 IAHS Publ. 131.

(keywords: glaciology Kenya climate change)

Warrick, R.A. (principal author,with others)., 1981

“Four Communities Under Ash: The Societal Effects of and Response to the M ay 18, 1980, Ashfall from Mount St. Helens.”

Institute of Behavioural Science, University of Colorado, Boulder, Colorado, 143pp

(keywords: social economic risk assessment disasters volcanoes USA regional)

Warrick, R.A. and Bowden, M., 1981

“The changing impacts of drought in the Great Plains.”

In: Great Plains, Perspectives and Prospects (Eds. M. Lawson and M. Baker). Center for Great Plains Studies, Lincoln.

(keywords: climate change drought impacts USA regional)

Warrick, R.A. and Riebsame, W.E., 1981

“Responding to CO2-induced climate change: opportunities for research.”

Climatic Change 3, 387-428

(keywords: climate change forecasting CO2 global warming greenhouse risk assessment)

Wigley, T.M.L., 1981

“Climate and paleoclimate: what we can learn about solar luminosity variations.”

Solar Physics 74, 435-471 (R)

(keywords: climate change palaeo solar methodology)

Wigley, T.M.L. and Brimblecombe, P., 1981

“Carbon dioxide, ammonia and the origin of life.”

Nature 291, 213-215 (R)

(keywords: CO2 chemistry atmospheric historical impacts)

Wigley, T.M.L. and Jones, P.D., 1981

“Detecting CO2-induced climatic change.”

Nature 292, 205-208 (R)

(keywords: detection CO2 climate change methodology)

Wigley, T.M.L. and Muller, A.B., 1981

“Fractionation corrections in radiocarbon dating.”

Radiocarbon 23, 173-190 (R)

(keywords: historical records observations radiocarbon dating)

Wigley, T.M.L., Huckstep, N.J., Mortimer, R., Farmer, G., Jones, P.D. , Salinger, M.J. and Ogilvie, A.E.J., 1981

“The reconstruction of European climate on decadal and shorter time scales .”

In: Extended Abstracts, First Meeting, Reconstruction of Past Climates Contact Group, pp.83-84 EEC Directorate-General for Science, Research and Development, Brussels.

(keywords: reconstruction Europe climate change historical records)

Wigley, T.M.L., Ingram, M.J. and Farmer, G. (Editors)., 1981

“Climate and History, Studies in Past Climates and their Impact on Man.”

Cambridge University Press, 530pp

(keywords: climate change historical records reconstruction impacts human social economic disasters book)

Wigley, T.M.L., Jones, P.D. and Kelly, P.M., 1981

“Global warming.”

Nature 291, 285 (R)

(keywords: global warming climate change CO2 impacts modelling datasets)

1980

Hughes, M.K., Kelly, P.M., Pilcher, J.R. and LaMarche, V.C. (Jr.) (Ed s.), 1980

“Report and Recommendations of the Second International Workshop on Global Dendroclimatology.”

The Organizing Committee of the Second International Workshop on Global Dendroclimatology, Norwich.

(keywords: global climate change dendro tree rings climatology)

Jones, P.D., 1980

“A homogeneous rainfall record for the Cirencester area, 1844-1977.”

Meteorological Magazine 109, 249-258

(keywords: rainfall datasets regional UK historical records reconstruction)

Jones, P.D. and Palutikof, J.P., 1980
“*Studying changes in climate: The work of the Climatic Research Unit.*”
Policy 79, 924-927
(keywords: climate change methodology)

Kelly, P.M., 1980
“*Climate: historical perspective and climatic trends*”
In: Atlas of Drought in Britain 1975-76 (Eds. J.C. Doornkamp, K. J. Gregory and A.S. Burn), pp.9-11 Institute of British Geographers, London.
(keywords: climate change historical records reconstruction forecasting)

Kelly, P.M. (and others), 1980-89
“*Series of twenty confidential reports on Arctic ice conditions for British Petroleum.*”
Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.
(keywords: Arctic sea ice)

Kington, B.D., 1980
“*Searches for historical weather data: appeals and responses.*”
Weather 35, 124-134
(keywords: historical records datasets methodology)

Kington, J.A., 1980
“*Daily weather mapping from 1781: a detailed synoptic examination of weather and climate during the decade leading up to the French Revolution.*”
Climatic Change 3, 7-36
(keywords: meteorology graphics historical records reconstruction cartography climate change observations)

Kington, J.A., 1980
“*Four successive cold Marches.*”
Climate Monitor 9, 34-42 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.
(keywords: temperature historical climate change weather)

Kington, J.A., 1980
“*July 1783: the warmest month in the central England temperature series.*”
Climate Monitor 9, 69-73 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.
(keywords: temperature historical climate change UK datasets)

Kington, J.A. and Kington, B.D., 1980
“*The three coldest autumns: 1676, 1740 and 1786.*”
Climate Monitor 9, 119-125 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.
(keywords: temperature historical climate change weather)

Lamb, H.H., 1980
“*Climatic fluctuations in historical times and their connection with transgressions of the sea, storm floods and other coastal changes.*”
In: Transgressies en Occupatiegeschiedenis in de Kustgebieden van Nederland en België, Publication No.66 (Eds. A. Verhulst and M.K.E. Gottschalk), 251-284 Belgisch Centrum voor Landelijke Geschiedenis. (R)
(keywords: climate change oceans storms floods)

Lamb, H.H., 1980
“*Weather and climate patterns of the Little Ice Age.*”
In: Das Klima-Analysen und Modelle, Geschichte und Zukunft (Eds. H. Oeschger, B. Messerli and M. Svilar), pp.149-160 Springer-Verlag. (R)
(keywords: meteorology climate change LIA)

Lamb, H.H. and Ingram, M.J., 1980
“*Climate and history.*”
Past and Present 88, 136-141 (R)
(keywords: climate change historical)

Mortimer, R., 1980
“*The Prior of Butley and the lepers of West Somerton.*”
Bulletin of the Institute of Historical Research. May 1980.
(keywords: miscellaneous historical)

Salinger, M.J., 1980
“*Agricultural implications of climatic change in New Zealand.*”
In: Proc. Symp. Value of Meteorology to Economic Planning, pp.63-78 New Zealand Meteorological Service.
(keywords: agriculture climate change impacts New Zealand)

- Salinger, M.J., 1980
"New Zealand climate. I. Precipitation patterns."
 Monthly Weather Review 108, 1892-1904
 (keywords: New Zealand precipitation)
- Salinger, M.J., 1980
"New Zealand climate. II. Temperature patterns."
 Monthly Weather Review 108, 1905-1912
 (keywords: climate change temperature New Zealand)
- Salinger, M.J., 1980
"New Zealand climate: the temperature record, historical data and some agricultural implications."
 Climatic Change 2, 109-126
 (keywords: New Zealand climate change temperature historical records agriculture impacts)
- Salinger, M.J. and Fitzharris, B., 1980
"Air temperature near a hydro lake at Roxburgh, New Zealand."
 New Zealand Journal of Science 23, 73-76
 (keywords: air temperature hydrology New Zealand)
- Sear, C.B. and Kelly, P.M., 1980
"Eruptions of Mt. St. Helens: effects on climate."
 Nature 285, 533-535
 (keywords: volcanoes climate change impacts)
- Warrick, R.A., 1980
"Book Review of 'Food, Fuel and Shelter' by T. Tregarthen."
 Geographical Review.
 (keywords: agriculture social impacts climate change)
- Warrick, R.A., 1980
"Drought in the Great Plains: a case study of research on climate and society in the USA."
 In: Climatic Constraints and Human Activities (Eds. J. Ausubel and A.K. Biswas). Pergamon Press, Oxford.
 (keywords: drought USA regional climate change impacts agriculture social economy)
- Wigley, T.M.L., Jones, P.D. and Kelly, P.M., 1980
"Scenario for a warm, high CO2 world."
 Nature, 283 17-21

1979

- Atkinson, T.C. and Smart, P.L., 1979
"Traceurs artificiels en hydrogeologie."
 Bulletin de Bureau des Recherches Geol. et Minieres, 2me serie, sect. III, no. 3, 365-380
 (keywords: hydrology geology)
- Chance, A. and Kelly, P.M., 1979
"An apparent periodicity in an index of volcanic activity."
 Nature 280, 671-672 (R)
 (keywords: methodology cycles volcanoes)
- Craddock, J.M., 1979
"Methods of comparing annual rainfall records for climatic purposes."
 Weather 34, 332-345
 (keywords: rainfall methodology datasets climate change reconstruction)
- Davies, T.D., 1979
"The contribution of rainborne sulphur dioxide to total wet sulphur deposition."
 In: Sulphur Emissions and the Environment, pp.212-214 The Society of Chemical Industry, London.
 (keywords: precipitation SO2 pollution)
- Davies, T.D., 1979
"Dissolved sulphur dioxide and sulphate in urban and rural precipitation (Norfolk, U.K.)."
 Atmospheric Environment 13, 1275-1285
 (keywords: SO2 regional precipitation pollution Norfolk UK)

Davies, T.D., Vincent, C.E. and Brimblecombe, P., 1979

“Condensation nuclei and weather on Mount Kenya.”

Journal of Applied Meteorology 18, 1230-1234

(keywords: pollution deposition Kenya impacts)

Douglas, K.S. and Lamb, H.H., 1979

“Weather Observations and a Tentative Meteorological Analysis of the Period May to July 1588.”

Climatic Research Unit Research Publication 6a (supplement to C RU RP 6), 39pp

(keywords: observations meteorology historical records reconstruction)

Farmer, G., 1979

“Anomaly correlations in historical climatology.”

Climate Monitor 8(2), 59-63 (R)

(keywords: historical records climatology climate change reconstruction methodology)

Farmer, G., 1979

“Book Review: Saharan Dust (Ed. C. Morales).”

Q. J. Roy. Met. Soc. 105, 1085-1086

(keywords: desertification drought Sahel Africa)

Farmer, G., 1979

“Typing of North Atlantic January surface pressure patterns.”

Climate Monitor 8(4), 105-109

(keywords: Atlantic NH surface pressure methodology oceans)

Gribbin, J. and Kelly, P.M., 1979

“Climatic impact of Soviet river diversions.”

New Scientist 84, 762-765

(keywords: climate change USSR hydrology impacts)

Kelly, P.M., 1979

“An Arctic sea ice data set, 1901-1956.”

Report Glaciological Data 5, Workshop on Snow Cover and Sea Ice Data. pp.101-106 World Data Center A for Glaciology, Boulder, Colorado 80309, USA.

(keywords: Arctic sea ice datasets historical records reconstruction snow)

Kelly, P.M., 1979

“Solar influence on North Atlantic MSL pressure (extended abstract).”

In: Solar-Terrestrial Influences on Weather and Climate (Eds. B .M. McCormac and T.A. Seliga), pp.297-298 D. Reidel, Dordrecht.

(keywords: solar Atlantic sea level pressure)

Kelly, P.M., 1979

“Towards the prediction of climate.”

In: Endeavour (New Series) 3(4), pp.176-182 Pergamon Press.

(keywords: forecasting climate change)

Kington, J.A. and Kington, B.D., 1979

“The spring of 1782.”

Climate Monitor 8, 65-75 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.

(keywords: historical weather climate change)

Kington, J.A. and Kington, B.D., 1979

“The cold November of 1782.”

Climate Monitor 8, 110-114 Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U.K.

(keywords: historical weather climate change temperature)

Lamb, H.H., 1979

“Climatic variation and changes in the wind and ocean circulation: the Little Ice Age in the northeast Atlantic.”

Quaternary Research 11, 1-20

(keywords: climate change wind oceans atmospheric circulation LIA Atlantic)

Lamb, H.H., 1979

“Understanding climate and its fluctuations.”

Journal of the Norfolk Beekeepers Association 13, 2-6

(keywords: climate change impacts methodology)

Lamb, H.H. and Weiss, I., 1979

“On recent changes of the wind and wave regime of the North Sea and the outflow.”

Fachliche Mitteilungen 194. Traben-Trarbach (Amt. für Wehrgeophysik).
(keywords: climate change wind oceans North Sea Europe forecasting)

Morth, H.T., 1979
“*Climate's clues to tracing disease.*”
General Practitioner, Feb. 23, p.20
(keywords: climate health)

Morth, H.T., 1979
“*Dark moods follow the storm clouds.*”
General Practitioner, Feb. 23, p.29
(keywords: climate storms health)

Morth, H.T. and Schlamminger, L., 1979
“*Planetary motion, sunspots and climate.*”
In: Solar-Terrestrial Influences on Weather and Climate (Eds. B.M. McCormac and T.A. Seliga), pp.193-207
(keywords: solar climate change cycles)

Nordstrom, D.K., Plummer, L.N., Wigley, T.M.L. (and 16 others), 1979
“*Comparison of computerized chemical models for equilibrium calculations in aqueous systems.*”
In: Chemical Modelling in Aqueous Systems (Ed. E.A. Jenne). American Chemical Society Symposium Series 93, 815-835
(keywords: computing chemistry modelling hydrology)

Palutikof, J.P., 1979
“*Agricultural drought in Kenya.*”
Climate Monitor 8, 144-149
(keywords: agriculture drought Kenya climate change impacts)

Plummer, L.N., Wigley, T.M.L. and Parkhurst, D.L., 1979
“*Critical review of the kinetics of calcite dissolution and precipitation.*”
In: Chemical Modeling in Aqueous Systems (Ed. E.A. Jenne), 537-573 American Chemical Society Symposium Series 93.
(keywords: geology chemistry precipitation)

Sundquist, E.T., Plummer, L.N. and Wigley, T.M.L., 1979
“*Carbon dioxide in the ocean surface: the homogeneous buffer factor.*”
Science 204, 1203-1205
(keywords: CO₂ oceans)

Tavakoli, R.K. and Kelly, P.M., 1979
“*CO₂ and climatic change.*”
Chemistry and Industry 7, 231-232
(keywords: CO₂ climate change impacts)

Vincent, C.E., Davies, T.D. and Beresford, A., 1979
“*Recent changes in the level of Lake Naivasha, Kenya, as an indicator of Equatorial Westerlies over East Africa.*”
Climatic Change 2, 175-189
(keywords: lakes Kenya weather Africa detection)

Warrick, R.A., 1979
“*Volcanic hazards research: an overview.*”
In: Volcanism and Human Habitation (Eds. P. Sheets and D. Grays on). Academic Press.
(keywords: volcanoes impacts risk analysis disasters)

1978

Atkinson, T.C., 1978
“*Measurement of subsurface water flow on hillslopes.*”
Chapter 3 in: Hillslope Hydrology (Ed. M.J. Kirkby), pp.73-120 J. Wiley, London.
(keywords: hydrology)

Atkinson, T.C. et al., 1978
“*Palaeoclimatic and geomorphic implications of ²³⁰Th/²³⁴U dates on speleothems from Britain.*”
Nature 272, 23-28
(keywords: geology)

Bell, W.T. and Ogilvie, A.E.J., 1978

"Weather compilations as a source of data for the reconstruction of European climate during the Medieval period."

Climatic Change 1, 331-348 (R)

(keywords: meteorology datasets reconstruction Europe historical records climate change)

Brimblecombe, P. and Davies, T.D., 1978

"Detection of air pollution from LANDSAT 1."

Weather 33, 19-27

(keywords: air pollution satellite)

Brimblecombe, P. and Wigley, T.M.L., 1978

"Early observations of London's urban plume."

Weather 33, 215-220

(keywords: pollution atmospheric regional UK observations historical records)

Brimblecombe, P., Armstrong, A. and Davies, T.D., 1978

"Remote sensing of pollutant plumes from LANDSAT."

Journal of the British Interplanetary Society, Remote Survey 31(1), 11-15

(keywords: remote sensing satellite pollution)

Campbell, D.J. and Palutikof, J.P., 1978

"Allocation of land resources in semi-arid areas: a simulation based on the East African experience."

I.D.S. Discussion Paper 262, University of Nairobi, Kenya.

(keywords: political agriculture economic drought Africa)

Craddock, J.M. and Smith, C.G., 1978

"An investigation into rainfall recording at Oxford."

Meteorological Magazine 107, 257-271

(keywords: rainfall datasets historical records regional Oxford UK methodology)

Davies, T.D., 1978

"Progress Report on Norwich Pollution Survey."

Norwich Pollution Prevention Panel Newsletter 2, 4

(keywords: pollution UK regional)

Defant, F. and Morth, H.T., 1978

"Compendium of Meteorology, Volume 1, Part 3 - Synoptic Meteorology,"

WMO, No.364, 276pp.

(keywords: meteorology methodology)

Douglas, K.S., Lamb, H.H. and Loader, C., 1978

"A Meteorological Study of July-October 1588: The Spanish Armada Storms."

Climatic Research Unit Research Publication No.6 (CRU RP6), 76pp (R)

(keywords: meteorology historical records UK Europe reconstruction methodology)

Ford, M.J., 1978

"A Study of the Biological Response to Climatic Change."

Report to the Nature Conservancy Council, 221pp

(keywords: climate change impacts)

Ford, M.J., 1978

"Current colder phase could affect 'border-line' cropping."

The Grower 89, 746-747

(keywords: climate change agriculture impacts)

Ford, M.J., 1978

"Locomotor activity and the predation strategy of the world-spider Pardosa amentata (Lycosidae)."

Animal Behaviour 26, 31-35

(keywords: miscellaneous)

Ford, M.J., 1978

"The variety of biological effects of climatic change."

In: Proc. Nordic Symp. on Climatic Changes and Related Problems (Ed. K. Frydendahl), pp.98-102 Danish Meteorological Inst., Climatological Papers No.4, Copenhagen.

(keywords: climate change impacts biology)

Gray, B.M. and Tabony, R.C., 1978

"The Feasibility of Predicting Long-term Changes in Climate over the United Kingdom."

Report for the Department of the Environment, March 1978.

(keywords: forecasting methodology climate change UK regional)

Hughes, M.K., Gray, B.M., Pilcher, J., Baillie, M. and Leggett, P., 1978

“Climatic signals in British Isles tree-ring chronologies.”

Nature 272, 605-606

(keywords: climate change detection UK tree rings reconstruction statistics)

Ingram, M.J., 1978

“The historical study of climate: a report on the work of the Climatic Research Unit at the University of East Anglia.”

Local Population Studies 21, 24-29

(keywords: historical records climate change methodology reconstruction)

Ingram, M.J., Underhill, D.J. and Wigley, T.M.L., 1978

“Historical climatology.”

Nature 276, 329-334

(keywords: historical records climatology climate change reconstruction)

Kelly, P.M. and Wright, P.B., 1978

“The European drought of 1975-76 and its climatic context.”

Progress in Physical Geography 2, 238-263

(keywords: Europe drought historical records climate change reconstruction)

Kington, J.A., 1978

“Historical daily synoptic weather maps from the 1780s.”

Journal of Meteorology 3, 65-71

(keywords: historical records meteorology graphics cartography)

Kington, J.A. and Kristjansdottir, S., 1978

“The value of the Jon Jonsson's Icelandic weather diaries to historical daily weather mapping.”

Ve

(keywords: historical records meteorology Iceland graphics reconstruction)

Lamb, H.H., 1978

“The variability of climate: observation and understanding.”

In: Proc. Nordic Symp. on Climatic Changes and Related Problems (Ed. K. Dryendahl), pp.116-144 Danish Met. Inst.,

Climatological Papers No.4, 260pp, Copenhagen.

(keywords: climate change observations detection methodology reconstruction)

Lamb, H.H., 1978

“Towards an understanding of climatic change: its impact in history and in the modern world.”

In: Proc. Nordic Symp. on Climatic Changes and Related Problems (Ed. K. Dryendahl), pp.181-204 Danish Met. Inst.,

Climatological Papers No.4, 260pp, Copenhagen.

(keywords: climate change impacts historical)

Lamb, H.H. (with Gribbin, J.), 1978

“Climatic change in historical times.”

Ch.4 in: Climatic Change (Ed. John Gribbin). Cambridge University Press.

(keywords: climate change historical)

Lamb, H.H. and Morth, H.T., 1978

“Arctic ice, atmospheric circulation and world climate.”

Geographical Journal 144(1), 1-22

(keywords: Arctic sea ice atmospheric circulation climate change global warming)

Morth, H.T., 1978

“A new approach to indexing the circumpolar wind (I).”

Climate Monitor 6(5), 158-162 Climatic Research Unit, University of East Anglia, Norwich, UK. (R)

(keywords: methodology wind global)

Morth, H.T., 1978

“Climatological research: an interdisciplinary study.”

New Scientist 80, 691-693

(keywords: climatology methodology)

Morth, H.T., 1978

“Severe snow drifts over Scotland and SW Britain.”

Climate Monitor 7(1), 23-28

(keywords: snow storms regional UK)

Morth, H.T., 1978

“Temperature variations in the Northern Hemisphere polar region.”

Climate Monitor 6(5), 154-155 Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: temperature climate change NH Arctic)

Morth, H.T., 1978

“The North American winter 1977-78.”

Climate Monitor 7(1), 18-28 Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: USA historical)

Morth, H.T. and Jones, P.D., 1978

“A new approach to indexing the circumpolar wind (II).”

Climate Monitor 7(2), 54-62 Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: methodology wind)

Morth, H.T. and Jones, P.D., 1978

“The 1977 rains in Sahelian countries.”

Climate Monitor 6(3), 98-100 Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: rainfall precipitation Sahel Africa)

Nichols, H., Kelly, P.M. and Andrews, J.T., 1978

“Holocene palaeo-wind evidence from palynology in Baffin Island.”

Nature 273, 140-142

(keywords: palaeo wind regional historical records)

Ogilvie, A.E.J., 1978

“Reconstructions of climate from weather compilations: A case study Thorod dsen's 'Arferdi a Islandi' 865 A.D.-1500 A.D.”

In: Proc. Nordic Symp. on Climate Changes and Related Problems (Ed. K. Frydendahl), 260pp Danish Meteorological Institute

Climatological Papers No.4, Copenhagen n.

(keywords: climate change reconstruction historical records Iceland)

Plummer, L.N., Wigley, T.M.L. and Parkhurst, D.L., 1978

“The kinetics of calcite dissolution in CO₂-water systems at 5-60 C and 0. 0-1.0 atm CO₂. ”

American Journal of Science 278, 179-216

(keywords: geology chemistry CO₂)

Raper, S.C.B., 1978

“Variations in the Incidence of Tropical Cyclones and Relationships with the Global Circulations.”

Ph.D. Thesis, University of East Anglia, UK.

(keywords: storms global atmospheric circulation climate change)

Tavakol, R.K., 1978

“In the Sun almost-intransitive?”

Nature 276, 802-803

(keywords: solar)

1977

Atkinson, T.C., 1977

“CO₂ in the atmosphere of the unsaturated zone: An important control of groundwater hardness in limestones.”

Journal of Hydrology 35, 111-123

(keywords: CO₂ atmospheric geology)

Atkinson, T.C., 1977

“Diffuse flow and conduit flow in limestone terrain in the Mendip Hills, Somerset.”

Journal of Hydrology 35, 93-110

(keywords: geology regional UK)

Atkinson, T.C. and Smith, D.I., 1977

“Underground flow in cavernous limestones with special reference to the Malham area.”

Field Studies 4, 597-616

(keywords: geology hydrology regional UK)

Atkinson, T.C., Smart, P.L. and Harmon, R.S., 1977

“Cave chronology and Quaternary erosional history in the Mendip Hills, England.”

In: Abstracts, X INQUA Conference, p.23

(keywords: geology regional UK)

Atkinson, T.C., Smart, P.L. and Harmon, R.S., 1977
“Radiometric dating of speleothems and cavern development in the Mendip Hills, England.”
In: Proc. 7th Int. Congress Speleol., Sheffield, pp.5-10
(keywords: geology regional UK)

Craddock, J.M., 1977
“A homogeneous record of monthly rainfall totals for Norwich for the years 1836-1976”
Meteorological Magazine 106, 267-278
(keywords: rainfall precipitation historical records regional Norwich UK)

Craddock, J.M., 1977
“Planning the software for a personal research contract.”
Software Practice and Experience 7, 645-653
(keywords: computing methodology)

Craddock, J.M., 1977
“Rainfall at Oxford from 1767 to 1814, estimated from the records of Dr Thomas Hornsby and others.”
Meteorological Magazine 106, 361-372
(keywords: rainfall regional UK historical records reconstruction methodology)

Davies, T.D., Brimblecombe, P. and Vincent, C.E., 1977
“The first ice core from East Africa.”
Weather 32, 386-390
(keywords: ice core Africa methodology)

Davies, T.D., Brimblecombe, P. and Vincent, C.E., 1977
“The daily cycle of weather on Mount Kenya.”
Weather 32, 406-417
(keywords: Kenya weather)

Ford, M.J., 1977
“Energy costs of the predation strategy of the web-spinning spider *Lepthyphantes zimmermanni* Bertkau (Linyphiidae).”
Oecologia 28, 341-349
(keywords: miscellaneous)

Ford, M.J., 1977
“Metabolic costs of the predation strategy of the spider *Pardosa amentata* (Clerck) (Lyccsidae).”
Oecologia 28, 333-340
(keywords: miscellaneous)

Ford, M.J., 1977
“Some biological effects of recent climatic change.”
J. of Meteorology 2, 225-230
(keywords: climate change impacts)

Gray, B.M., 1977
“Tree-rings as estimates of past climate.”
Climate Monitor 6(3), Climatic Research Unit, University of East Anglia, Norwich NR4 7TJ, U K (R)
(keywords: tree rings climate change historical records reconstruction)

Jones, P.D., 1977
“A spatially distributed catchment model for flood forecasting and river regulation with particular reference to the River Tyne.”
Unpublished PhD Thesis. University of Newcastle upon Tyne.
(keywords: modelling hydrology forecasting regional statistics UK)

Kelly, P.M., 1977
“Solar influence on North Atlantic mean sea level pressure.”
Nature 269, 320-322
(keywords: solar Atlantic sea level pressure)

Kelly, P.M., 1977
“Volcanic dust veils and North Atlantic climatic change.”
Nature 268, 616-617
(keywords: volcanoes Atlantic climate change oceans atmospheric)

Kington, J.A., 1977
“Fluctuations climatiques: une étude synoptique du climat, fin XVIII-début XIX siècle.”
Annales Economies Sociétés Civilisations 32, 227-236
(keywords: climate change historical records reconstruction meteorology)

- Kington, J.A., 1977
"Winter weather in west Fife (letter to Editor)."
 Weather 32, 236-237
 (keywords: meteorology regional UK)
- Lamb, H.H., 1977
"Climate: Present, Past and Future. Vol. 2: Climatic History and the Future."
 837pp Methuen, London.
 (keywords: climate change historical forecasting book)
- Lamb, H.H., 1977
"Climatic analysis."
 Phil. Trans. R. Soc. London 280 (series B), 341-350
 (keywords: climate change methodology reconstruction)
- Lamb, H.H., 1977
"Supplementary volcanic dust veil index assessments."
 Climate Monitor 6(2), 57-67 Climatic Research Unit, University of East Anglia, Norwich, UK.
 (keywords: volcanoes datasets reconstruction methodology)
- Lamb, H.H., 1977
"The late Quaternary history of the climate of the British Isles."
 In: British Quaternary Studies: Recent Advances (Ed. F.W. Shott on), pp.283-298 Clarendon Press, Oxford.
 (keywords: historical records climate change UK reconstruction)
- Lamb, H.H. and Ford, M.J., 1977
"The climate of East Anglia."
 Ch.1.2 in: Nature in Norfolk - a Heritage in Trust, pp.23-28 Jarrold for Norfolk Heritage, Norwich.
 (keywords: climate change historical regional UK)
- Lamb, H.H. and Morth, H.T., 1977
"The weather in 1976 - exceptional to a degree."
 Development Forum (UNDP), May, p.6
 (keywords: meteorology climate change)
- Lamb, H.H., Morth, H.T. and Jones, P.D., 1977
"Climatic events of 1977 - persistence of anomalies."
 Development Forum.
 (keywords: climate change)
- Morth, H.T., 1977
"Climatologist of the future."
 Physics Education, April, 143-144
 (keywords: climatology forecasting)
- Morth, H.T., 1977
"Zur frage der klimaschwankungen im licht der jungsten ereignisse."
 Fachliche Mitteilungen, Amt fur Wehrgeophysik 183, 29-37
 (keywords: climate change)
- Morth, H.T. and Jones, P.D., 1977
"Does the Mediterranean region climate still qualify for classification type Cs?"
 Climate Monitor 6(2), 50-53 Climatic Research Unit, University of East Anglia, Norwich, UK.
 (keywords: Mediterranean climate regional methodology climatology)
- Raper, S.C.B., 1977
"Changes in the incidence of Tropical Cyclones."
 Climate Monitor 6(5), 163-166 Climatic Research Unit, University of East Anglia, Norwich, UK. (R)
 (keywords: storms climate change)

1976

- Craddock, J., 1976
"Annual rainfall in England since 1725."
 Quart. J. R. Met. Soc. 102, 823-840
 (keywords: rainfall datasets regional UK historical records precipitation)

Craddock, J.M., 1976

“Designing a FORTRAN based system for meteorological statistics.”

Software Practice and Experience 6, 301-319

(keywords: meteorology statistics computing methodology)

Craddock, J.M. and Wales-Smith, B.G., 1976

“Monthly rainfall totals representing the East Midlands for the years 1726 -1975.”

Met. Mag. 106, 97-111

(keywords: rainfall datasets regional historical records reconstruction UK)

Davies, T.D., 1976

“Precipitation scavenging of Sulphur Dioxide in an industrial area.”

Atmospheric Environment 10, 879-890

(keywords: precipitation pollution SO₂)

Davies, T.D., Brimblecombe, P. and Vincent, C.E., 1976

“The Analysis of the Lewis Glacier Ice Core.”

Internal Report of the School of Environmental Sciences, University of East Anglia, Norwich, U.K.

(keywords: glaciology ice core)

Ericksen, N. and Warrick, R.A., 1976

“Assessing the Nuclear Option: An Evaluative Framework.”

Human Reactions to Nuclear Reactors, Working Paper No.1. Dept. Geography, University of Waikato, Hamilton, New Zealand.

(keywords: nuclear)

Ford, D.C., Harmon, R.S., Schwarcz, H.P., Wigley, T.M.L. and Thompson, P., 1976

“Geohydrologic and thermometric observations in the vicinity of the Columbia Icefield, Alberta and British Columbia, Canada.”

Journal of Glaciology 16, 219-229

(keywords: geology hydrology observations regional Canada ice)

Gray, B.M., 1976

“Medium term fluctuations in rainfall in southeastern England.”

Quart. J. R. Met. Soc. 102, 627-638

(keywords: rainfall climate change datasets records observations regional UK)

Kelly, P.M., 1976

“Changing climate of the North Atlantic.”

Nature 263, 636-638

(keywords: climate change Atlantic oceans NH)

Kelly, P.M., 1976

“Physical basis of climatology, the factors which influence climate.”

Physics Bulletin 27, 305-307

(keywords: climatology methodology)

Kelly, P.M. and Lamb, H.H., 1976

“Prediction of volcanic activity and climate.”

Nature 262, p5.

(keywords: forecasting volcanoes climate change impacts)

Kennet, Lord, Davies, T.D. and Price, D., 1976

“Sociological and economic aspects of pollution in Thessaloniki, Greece.”

Ta Nea. Athens.

(keywords: sociology economic impacts pollution Greece Europe)

Kennet, Lord, Davies, T.D. and Price, D., 1976

“Water pollution in Thessaloniki, Greece.”

Ta Nea. Athens.

(keywords: water pollution Greece Europe impacts)

Kennet, Lord, Davies, T.D. and Price, D., 1976

“Air pollution in Thessaloniki, Greece.”

Ta Nea. Athens.

(keywords: air pollution atmosphere Greece Europe)

Kennet, Lord, Davies, T.D. and Price, D., 1976

“Control of pollution in Thessaloniki, Greece.”

Ta Nea. Athens.

(keywords: pollution impacts Greece Europe)

Kington, B.D., 1976/7

"The Climatic Research Unit Library."

Climate Monitor 6, 30-31

(keywords: climatic research library)

Kington, J.A., 1976

"An examination of monthly and seasonal extremes using historical weather maps from 1781: October 1781."

Weather 31, 151-158

(keywords: historical records graphics reconstruction meteorology cartography)

Kington, J.A., 1976

"An introduction to an examination of monthly and seasonal extremes in the climatic record of England and Wales using historical daily synoptic weather maps from 1781 onward."

Weather 31, 72-78

(keywords: climate change regional UK historical records graphics reconstruction methodology cartography)

Lamb, H.H., 1976

"Long-term climatic variations: symposium at Norwich 18-23 August 1975."

WMO Bulletin, January 1976, pp.3-9

(keywords: climate change historical datasets)

Lamb, H.H., 1976

"Climate in the 1970s."

Nature 259, 606

(keywords: climate change historical records)

Lamb, H.H., 1976

"Long-term climatic fluctuations: symposium at Norwich 18-23 August 1975."

WMO Bulletin 25(1), 3-9 WMO, Geneva.

(keywords: climate change historical records reconstruction)

Lamb, H.H., 1976

"Understanding climatic change and its relevance to the world food problem."

Climatic Research Unit Research Publication 5, 23pp

(keywords: climate change agriculture impacts political)

Lamb, H.H. and Morth, H.T., 1976

"Last year's weather: a climate of extremes."

Development Forum 4, p5.

(keywords: climate change)

Loader, C., 1976

"The storm of 2-3 January 1976."

Journal of Meteorology 1, 273-283

(keywords: storms historical)

Palutikof, J.P., 1976

"Potential evaporation in Kenya."

Kenyan Geographer 1, 27-36

(keywords: evaporation Kenya)

Plummer, L.N. and Wigley, T.M.L., 1976

"The dissolution of calcite in CO₂-saturated solutions at 25 C and 1 atmosphere total pressure."

Geochimica et Cosmochimica Acta 40, 191-202

(keywords: geology CO₂ chemistry)

Slawson, P.R. and Wigley, T.M.L., 1976

"Calculation of cooling tower drift deposition."

Ch.8 in: Power Generation: Air Pollution Monitoring and Control (Eds. K.E. Noll and W.T. Davis), pp.83-106 Ann Arbor Science Publishers Inc., Ann Arbor, Michigan.

(keywords: pollution atmospheric)

van Loon, H. and Williams, J., 1976

"The connection between trends of mean temperature and circulation at the surface: Part I. Winter."

Monthly Weather Review 104, 365-380

(keywords: temperature atmospheric circulation)

van Loon, H. and Williams, J., 1976

"The connection between trends of mean temperature and circulation at the surface: Part II. Summer."

Monthly Weather Review 104, 1003-1011

(keywords: temperature atmospheric circulation)

van Loon, H. and Williams, J., 1976

"The connection between trends of mean temperature and circulation at the surface: Part III. Spring."

Monthly Weather Review 104, 1591-1596

(keywords: temperature atmospheric circulation)

1975

Davies, T.D., 1975

"Diffusion of Nuclear clouds in the troposphere."

UKWMO Special Report, UKWMO.

(keywords: pollution nuclear troposphere)

Davies, T.D. and Hey, R.D., 1975

"The role of science and technology in Environmental Management."

In: Science Technology and Environmental Management (Eds. R.D. Hey and T.D. Davies). Saxon House.

(keywords: pollution impacts)

Drake, J.J. and Wigley, T.M.L., 1975

"The effect of climate on the chemistry of carbonate groundwater."

Water Resources Research 11, 958-962

(keywords: climate change chemistry hydrology geology)

Gray, B.M., 1975

"Japanese and European winter temperatures."

Weather 30, 359-368

(keywords: Japan Europe temperature)

Hey, R.D. and Davies, T.D. (Eds.), 1975

"Science, Technology and Environmental Management."

297pp Saxon House

(keywords: pollution impacts environmental management)

Kelly, P.M., 1975

"Climatic Change in the North Sea Region."

Ph.D. Thesis. University of East Anglia.

(keywords: climate change oceans North Sea regional)

Kelly, P.M., 1975

"Long-term trends of weather and climate affecting operations at sea."

In: Proceedings, Oceanology International 75, pp.263-268 BPS, London. (R)

(keywords: meteorology climate change oceans impacts historical weather)

Kelly, P.M., 1975

"Statistics and climate change."

Nature 255, 108-109

(keywords: statistics climate change methodology)

Kington, J.A., 1975

"A comparison of British Isles weather type frequencies in the climatic record from 1781 to 1971."

Weather 30, 21-24

(keywords: UK LWTs historical records reconstruction climate change)

Kington, J.A., 1975

"An analysis of the seasonal characteristic of 1781-84 and 1968-71 using the PSCM indices."

Weather 30, 109-114

(keywords: historical records reconstruction climate change methodology)

Kington, J.A., 1975

"Birds and the weather of 1784."

In: Trans. Norfolk and Norwich Naturalists' Society 23, 140-144

(keywords: historical climatology climate change miscellaneous)

Kington, J.A., 1975

“Daily synoptic weather maps from the 1780s: a research project of synoptic climatology.”

Meteorological Magazine 104, 33-52

(keywords: graphics historical records climate change meteorology cartography)

Kington, J.A., 1975

“The construction of 500-millibar charts for the eastern North Atlantic-European sector from 1781.”

Meteorological Magazine 104, 336-340

(keywords: Atlantic Europe reconstruction historical records datasets meteorology climate change cartography)

Lamb, H.H., 1975

“The Earth's changing climate.”

In: Encyclopaedia Britannica Book of the Year 1975.

(keywords: climate change historical global)

Lamb, H.H., 1975

“Changes of climate: the perspective of time scales and a particular examination of recent changes.”

In: Ice Ages: Ancient and Modern (Eds. A.E. Wright and F. Mosely), pp.169-188 Geol. J. Special Issue No.6.

(keywords: climate change historical records methodology observations)

Lamb, H.H., 1975

“Changes of climate: the perspective of time scales and a particular examination of recent changes.”

In: Ice Ages: Ancient and Modern (Eds. A.E. Wright and F. Mosely), pp.169-188 Seel House Press, Liverpool.

(keywords: climate change historical records)

Lamb, H.H., 1975

“Our understanding of the global wind circulation and climatic variations.”

Bird Study 22, 121-141

(keywords: wind climate change global)

Lamb, H.H., 1975

“Remarks on the current climatic trend and its perspective.”

In: Proc. of the WMO/IAMAP Symp. on Long-term Climatic Fluctuations, Norwich 18-23, August 1975, pp.473-477

(keywords: climate change historical records)

Lamb, H.H., Dickson, R.R., Malmberg, S.A. and Colebrook, J.M., 1975

“Climatic reversal in the North Atlantic.”

Nature 256, 497-481

(keywords: climate change Atlantic oceans)

Warrick, R.A., 1975

“Volcano Hazard in the United States: A Research Assessment.”

Institute of Behavioural Science, University of Colorado, Boulder, Colorado, 143pp

(keywords: volcanoes impacts disasters risk assessment)

Warrick, R.A., Trainer, P., Baker, J. and Brinkmann, W.A.R., 1975

“Drought Hazard in the United States.”

Institute of Behavioral Science, University of Colorado, Boulder, Colorado, 199pp

(keywords: drought USA impacts climate change)

Wigley, T.M.L., 1975

“A numerical analysis of the effect of condensation on plume rise.”

Journal of Applied Meteorology 14, 1105-1109

(keywords: modelling pollution atmospheric physics)

Wigley, T.M.L., 1975

“Carbon-14 dating of groundwater from closed and open systems.”

Water Resources Research 11, 324-328

(keywords: hydrology carbon dating)

Wigley, T.M.L., 1975

“Condensation in jets, industrial plumes and cooling tower plumes.”

Journal of Applied Meteorology 14, 78-86

(keywords: pollution atmospheric physics)

Wigley, T.M.L. and Slawson, P.R., 1975

“Drift and fogging analysis for mechanical draft cooling towers at the Hartsville nuclear power plant site.”

Report to the Air Quality Branch, Division of Environmental Planning, Tennessee Valley Authority, May 1975.

(keywords: pollution physics atmospheric)

Wigley, T.M.L. and Slawson, P.R., 1975

“Drift, visible plume length and fogging potential calculations for natural draft and mechanical draft cooling systems at Phipps Bend and Yellow Creek.”

Report to the Air Quality Branch, Division of Environmental Planning, Tennessee Valley Authority, February 1975.

(keywords: pollution atmospheric physics modelling)

1974

Bryson, R.A., Lamb, H.H. and Donley, D.L., 1974

“Drought and the decline of Mycenae.”

Cultural Sensitivity to Environmental Change III: Report 20. Institute for Environmental Studies, University of Wisconsin-Madison.

(keywords: drought historical reconstructions)

Davies, T.D., 1974

“Determination of the local removal of sulphur dioxide by precipitation.”

In: Observation and Measurement of Atmospheric Pollution. Special Environmental Report No.3, pp.567-178 World Meteorological Organization, Geneva.

(keywords: SO₂ precipitation pollution atmosphere)

Gray, B.M., 1974

“Early Japanese winter temperatures.”

Weather 29, 103-107

(keywords: Japan temperature historical records reconstruction)

Hay, R.F.M., 1974

“Analysis of time series of monthly rainfall in the region of Dar es Salaam.”

Memoirs 4(6), 21pp E. African Met. Dept., Nairobi.

(keywords: data sets time series rainfall Africa Tanzania regional)

Jones, P.D., 1974

“The use of Laplace transforms in Unit Hydrograph derivation.”

Unpublished MSc Thesis. University of Newcastle upon Tyne.

(keywords: statistics hydrology computing)

Kington, J.A., 1974

“An application of phenological data to historical climatology.”

Weather 29, 320-328

(keywords: dendro methodology historical records reconstruction climatology)

Kington, J.A., 1974

“The Societas Meteorologica Palatina: and eighteenth-century meteorological society.”

Weather 29, 416-326

(keywords: meteorology historical records observations reconstruction)

Lamb, H.H., 1974

“Climate.”

In: Encyclopaedia Britannica (15th Edn.).

(keywords: climate change historical)

Lamb, H.H., 1974

“Reconstructing the climatic patterns of the historical past.”

Endeavour 33(118), 40-47

(keywords: reconstruction climate change historical methodology)

Lamb, H.H., 1974

“Contributions to historical climatology: the Middle Ages and after; Christmas weather and other aspects.”

Klimatologische Forschung: Flohn Festschrift, Bonner Meteorologische Abhandlungen, Heft 17, 549-567

(keywords: historical records climate change meteorology observations)

Lamb, H.H., 1974

“Climate, vegetation and forest limits in early civilized times.”

Phil. Trans. Roy. Soc. London A276, 195-230

(keywords: climate agriculture dendro historical records tree rings reconstruction)

Lamb, H.H., 1974

“Climatic change and foresight in agriculture: the possibilities of long-term weather advice.”

Outlook on Agriculture 7, 203-210

(keywords: climate change agriculture forecasting)

Lamb, H.H., 1974

“The Current Trend of World Climate - A Report on the Early 1970s and a Perspective.”

Climatic Research Unit Research Publication 3. Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: climate change global historical records methodology)

Wigley, T.M.L., 1974

“Comment on a simple but accurate formula for the saturation vapour pressure over liquid water.”

Journal of Applied Meteorology 13, 608

(keywords: physics meteorology)

Wigley, T.M.L. and Slawson, P.R., 1974

“Drift analysis for the Hartsville Nuclear Power Plant.”

Report to the Division of Environmental Planning, Tennessee Valley Authority, September 1974.

(keywords: pollution atmospheric nuclear)

1973

Davies, T.D., 1973

“Some problems in the measurement of atmospheric pollution.”

In: Pollution Abatement (Ed. K.M. Clayton, pp.60-64 David and Charles.

(keywords: pollution methodology)

Lamb, H.H., 1973

“The seasonal progression of the atmospheric circulation affecting the North Atlantic and Europe.”

Climatic Research Unit Research Publication, CRU RP1, 131pp Climatic Research Unit, University of East Anglia, Norwich, UK.

(keywords: atmospheric circulation oceans NH Europe)

Lamb, H.H., 1973

“Whither climate now?”

Nature 244, 395-397

(keywords: climate change methodology forecasting)

Lamb, H.H., 1973

“Is the Earth's climate changing?”

In: UNESCP Courier, special issue, pp.17-20

(keywords: climate change global detection)

Lamb, H.H., 1973

“Some comments on atmospheric pressure variations in the Northern Hemisphere (with supplementary note by P.D. Wright).”

In: Drought in Africa, pp.27-28 School of Oriental and African Studies, University Centre for African Studies, London.

(keywords: atmospheric pressure climate change NH)

Lamb, H.H., 1973

“The effect of climatic anomalies in the oceans on long-term atmospheric circulation behaviour and currents in the North Sea and surrounding regions.”

In: North Sea Science (NATO North Sea Science Conf., Aviemore, Scotland, 15-20 Nov. 1971) (Ed. E.D. Goldberg), pp.153-182 MIT Press, Cambridge, MA.

(keywords: climate change oceans atmospheric circulation North Sea Europe)

Lamb, H.H., 1973

“The problem of embedding energy into the atmosphere and the present ability of climatology to advise on it.”

In: Proc. IIASA Planning Conf. Energy Systems, pp.310-328 IIASA, Laxenberg, Austria.

(keywords: atmospheric energy climatology)

Lamb, H.H. (with P. Collison and R.A.S. Ratcliffe), 1973

“Northern hemisphere monthly and annual mean-sea-level pressure distribution for 1951-66, and changes of pressure and temperature compared with those of 1900-1939.”

Geophys. Memoir No.118. HMSO for Met. Office.

(keywords: NH sea level pressure temperature historical datasets statistics)

Wigley, T.M.L., 1973
“*Chemical evolution of the system calcite-gypsum-water.*”
Canadian Journal of Earth Sciences 10, 306-315
(keywords: chemistry hydrology geology)

Wigley, T.M.L., 1973
“*The incongruent solution of Dolomite.*”
Geochimica et Cosmochimica Acta 37, 1397-1402
(keywords: chemistry geology)

1972

Kington, J.A., 1972
“*Meteorological observing in Scandinavia and Iceland during the eighteenth century.*”
Weather 27, 222-233 (R)
(keywords: observations Scandinavia meteorology Iceland historical records method ology)

Lamb, H.H., 1972
“*Climate: Present, Past and Future. Vol. 1: Fundamentals and Climate Now.*”
613pp Methuen, London.
(keywords: climate change historical forecasting methodology book)

Lamb, H.H., 1972
“*British Isles weather types and a register of the daily sequence of circulation patterns 1861-1971.*”
Geophys. Memoir. No.116, 85pp HMSO for Met. Office.
(keywords: UK LWTs circulation atmospheric datasets)

Lamb, H.H., 1972
“*Atmospheric circulation and climate in the Arctic since the last ice age.*”
Acta Universitatis... Oulu (Finland), A.3, Geology 1, pp.455-495
(keywords: atmospheric circulation climate change Arctic ice LIA palaeo)

Lamb, H.H., 1972
“*Concluding remarks.*”
Symposium on Climatic Changes in Arctic Areas during the Last 10 000 years, Acta Universitatis...Oulu (Finland), A.3, Geology 1, pp.503-511
(keywords: climate change Arctic historical methodology)

Lamb, H.H., 1972
“*Atmospheric circulation and climate in the Arctic since the last ice age.*”
In: Climatic Changes in Arctic Areas During the Last Ten-thousand Years (Symp. held at Oulanka and Kevo, 4-10 Oct., 1971 (Eds. Y. Vasari, H. Hyvärinen and S. Hicks), pp.455-495
(keywords: atmospheric circulation climate change Arctic historical records meteorology)

Lamb, H.H. and Bromley, R.G., 1972
“*Cumulus and cumulonimbus clouds in high latitudes: some Greenland pictures.*”
Weather 27(11), 468, 474-475
(keywords: clouds Greenland graphics)

Lamb, H.H. and Dickson, R.R., 1972
“*A review of recent hydrometeorological events in the North Atlantic sector.*”
In: Special Publication No.8, pp.35-62 Internat. Comm. for the North-West Atlantic Fisheries.
(keywords: oceans Atlantic hydrology meteorology)

Quinlan, J.F. and Wigley, T.M.L., 1972
“*Solubilities in the calcite-dolomite-gypsum system and their implications for karst hydrology.*”
Geol. Soc. of America, Abstracts with Programs 4, 631-632
(keywords: geology chemistry hydrology)

Wigley, T.M.L., 1972
“*A computer program for water quality analysis.*”
University of Waterloo, Department of Mechanical Engineering Technical Note No.15.
(keywords: hydrology pollution)

Wigley, T.M.L., 1972
“*Analysis of scallop patterns by simulation under controlled conditions: a discussion.*”

Wigley, T.M.L. and Csanady, G.T., 1972
“Ice fog clouds formed by vapour emissions in cold climates such as the Upper Mackenzie Valley.”
WRI Project Report 2073, December 1972. University of Waterloo.
(keywords: clouds)

Wigley, T.M.L., Slawson, R.P., Csanady, G.T. and Rennie, J.H., 1972
“The behaviour of moisture laden plumes.”
WRI Project Report 1021, March 1972. University of Waterloo.
(keywords: atmospheric pollution)

1971

Kington, J.A., 1971
“The importance of photography in the development of cloud studies.”
Weather 26, 100-104
(keywords: clouds methodology)

Lamb, H.H., 1971
“Palaeoclimatology (an editorial).”
Palaeo3. Elsevier, Amsterdam
(keywords: palaeo climate change historical)

Lamb, H.H., 1971
“Climates and circulation regimes developed over the northern hemisphere during and since the last ice age.”
Palaeo3 10, 125-162
(keywords: climate change atmospheric circulation NH historical records ice LIA)

Lamb, H.H., 1971
“Palaeoclimatology (Editorial).”
Palaeogeogr., Palaeoclim., Palaeoecology 10(2/3 special issue), pp.83-86 Elsevier, Amsterdam.
(keywords: palaeo climatology historical records)

Lamb, H.H., 1971
“Volcanic activity and climate.”
Palaeogeogr., Palaeoclim., Palaeoecology 10(2/3 special issue), pp.203-230
(keywords: volcanoes climate change impacts)

Wigley, T.M.L., 1971
“Characteristics of wet plumes.”
Bull. Amer. Meteorological Society 52, 78.
(keywords: pollution)

Wigley, T.M.L., 1971
“Ion pairing and water quality measurements.”
Canadian Journal of Earth Sciences 8, 468-476
(keywords: hydrology pollution)

Wigley, T.M.L., 1971
“Solution of pipes by turbulent fluids.”
Caves and Karst 3, 50
(keywords: hydrology)

1970

Kington, J.A., 1970
“A late eighteenth-century source of meteorological data.”
Weather 25, 169-175
(keywords: datasets historical meteorology)

Kington, J.A., 1970
“Climatic variation: preparation of weather charts from 1780.”

Swansea Geographer 8, 11-14

(keywords: climate change methodology historical cartography)

Lamb, H.H. and Woodroffe, A., 1970

"Atmospheric circulation during the last ice age."

Quaternary Research 1(1), 29-58

(keywords: atmospheric circulation LIA ice historical)

Oliver, J. and Kington, J.A., 1970

"The usefulness of ships' log-books in the synoptic analysis of past climates."

Weather 25, 520-528 (R)

(keywords: historical records climate change methodology proxy shipping)

1969

Brown, M.C., Wigley, T.M.L. and Ford, D.C., 1969

"Water budget studies in karst aquifers."

Journal of Hydrology 9, 113-116

(keywords: hydrology geology methodology)

Kenworthy, J.M. and Palutikof, J.P., 1969

"Air pollution."

In: Merseyside in Maps (Eds. J.A. Patmore and A.G. Hodkiss), pp.58-59 Longman, London.

(keywords: pollution atmospheric regional UK)

Kington, J.A., 1969

"A century of cloud classification."

Weather 24, 84-89

(keywords: clouds historical methodology)

Lamb, H.H., 1969

"Climatic fluctuations."

Ch.5 in Vol.2 of the World Survey of Climatology (Eds. H. Flohn and H.E. Landsberg). Elsevier, Amsterdam.

(keywords: climate change historical)

Lamb, H.H., 1969

"The new look of climatology."

Nature 223, 1209-1215

(keywords: climate change methodology observations datasets modelling)

Lamb, H.H., 1969

"Investigation of the climatic sequence: a meteorological-empirical approach."

Vol.5, S.C.A.R. Conference on Quaternary Studies in the Antarctic, in: Palaeoecology of Africa and Antarctica, pp.21-63

Balkema, Cape Town.

(keywords: climate change meteorology methodology)

Wigley, T.M.L., 1969

"Cave microclimate: a note on moisture."

Helictite 7, 43-49

(keywords: hydrology geology)

1968

Kington, J.A., 1968

"A historical review of cloud study."

Weather 23, 349-356

(keywords: clouds historical methodology)

Wigley, T.M.L., 1968

"Flow into a finite well with arbitrary discharge."

Journal of Hydrology 6, 209-213

(keywords: hydrology geology)

1967

Lamb, H.H., 1967

“On climatic variations affecting the Far South.”

Polar Meteorology, WMO Technical Note No.87, pp.428-453

(keywords: climate change SH)

Wigley, T.M.L., 1967

“Elevations in the Madura area, Western Australia.”

Helicite 6, 10-14

(keywords: climate change Australia geology)

Wigley, T.M.L., 1967

“Non-steady flow through a porous medium and cave breathing.”

Journal of Geophysical Research 72, 3199-3205

(keywords: hydrology geology)

1966

Lamb, H.H., 1966

“The Changing Climate.”

236pp Methuen, London.

(keywords: climate change historical book)

Lamb, H.H., 1966

“Stages in the life-cycle of North Atlantic cyclones.”

Weather 21(12), p.458

(keywords: storms oceans meteorology methodology)

Lamb, H.H., 1966

“Fronts in the intertropical convergence zone.”

Meteorol. Mag. 95, 181-183

(keywords: storms atmospheric circulation)

Lamb, H.H., 1966

“African lake-level change, world rainfall pattern anomalies and related aspects of climatic change in the 1960s.”

Meteorological Magazine 95, 181-183

(keywords: Africa rainfall precipitation global climate change historical)

Lamb, H.H., 1966

“Contributions to the report of a 7-man working group published under title of 'Climatic Change'.”

pp.8-13, 20-22. 75pp WMO Technical Note No.79.

(keywords: climate change)

Lamb, H.H., 1966

“Climate in the 1960s”

Geographical Journal 132(2), 1183-212

(keywords: climate change historical)

Lamb, H.H., 1966

“Palaeoclimatology.”

Meteorol. Mag. 92, 246-249

(keywords: palaeo climate change historical)

Lamb, H.H. (with A.I. Johnson), 1966

“Secular variations of the atmospheric circulation since 1750.”

Geophys. Memoir. 110. HMSO for Met. Office.

(keywords: atmospheric circulation climate change historical global warming)

Lamb, H.H. (with others), 1966

“Atmospheric circulation and the main climatic variables between 8000 and 0BC: meteorological evidence.”

Proc. Int. Symp. on World Climate from 8000 to 0BC, pp.174-217 Royal Meteorological Society.

(keywords: atmospheric circulation climate change historical records meteorology observations)

1965

Lamb, H.H., 1965
“*Is the climate changing?*”
Pears Cyclopaedia.
(keywords: climate change historical)

Lamb, H.H., 1965
“*The early medieval warm epoch and its sequel.*”
Palaeogeogr., Palaeoclim. and Palaeoecol. 1(1), 13-37
(keywords: historical climate change global warming)

1964

Lamb, H.H., 1964
“*The English Climate.*”
212pp English Universities Press, London.
(keywords: climate change historical UK book)

Lamb, H.H., 1964
“*The role of atmosphere and oceans in relation to climatic changes and the growth of ice-sheets on land.*”
Part of Ch.8 in: Problems in Palaeoclimatology (Ed. A.E.M. Nairn), pp.332-347 Wiley-Interscience Publishers, New York.
(keywords: atmospheric oceans climate change ice cores)

Lamb, H.H., 1964
“*Climatic changes and variations in the atmospheric and ocean circulations.*”
Geologische Rundschau 54, 486-504
(keywords: climate change atmospheric oceans circulation global)

Lamb, H.H., 1964
“*Atmospheric circulation and climatic changes in Europe since A.D. 800.*”
Proc.-Verbaux of the VIth INQUA Congress, Warsaw 1961, II Palaeoclimatological Section (Lodz, Poland).
(keywords: atmospheric circulation climate change Europe global warming historical)

Wigley, T.M.L., 1964
“*Approximations in the use of pressure coordinates.*”
Tellus 16, 26-31
(keywords: methodology pressure)

1963

Lamb, H.H., 1963
“*What can we find out about the trend of our climate?*”
Weather 18(7), 194-216
(keywords: climate change observations methodology)

Lamb, H.H., 1963
“*The weather, past and future.*”
Meteorological Magazine 92, 269-272
(keywords: meteorology historical forecasting climate change)

Lamb, H.H., 1963
“*On the nature of certain climatic epochs which differed from the modern (1900-1939) normal.*”
Proc. WMO/UNESCO Rome 1961 Symposium on Changes of Climate, pp.125-150 UNESCO, Paris - Arid Zone Research Series XX.
(keywords: climate change observations historical)

1962

Lamb, H.H., 1962
“*Changes in climate before and since the industrial revolution.*”

Research 15, 501-109
(keywords: climate change historical industry)

Lamb, H.H., 1962
“*Atmospheric circulation, climate and climatic variations.*”
Weather 17(3) (reprinted from Geography 46, 208-222), 88-101
(keywords: atmospheric circulation climate change methodology)

1961

Lamb, H.H., 1961
“*Fundamentals of climate.*”
Ch.2 in: Descriptive Palaeoclimatology (Ed. A.E.M. Nairn). Wiley - Interscience Publishers, New York.
(keywords: climate methodology)

Lamb, H.H., 1961
“*Climatic change within historical time as seen in circulation maps and diagrams.*”
Annals of the New York Academy of Sciences 95(1), 124-161
(keywords: climate change historical records circulation observations)

Lamb, H.H., 1961
“*Atmospheric circulation, climate and climatic variations.*”
Geography 46, 208-222
(keywords: atmospheric circulation climate change)

Lamb, H.H. and Johnson, A.I., 1961
“*Climatic variation and observed changes in the general circulation. Part III.*”
Geografiska Annaler (Stockholm) 43, 363-400
(keywords: climate change observations general circulation)

1960

Lamb, H.H., 1960
“*Representation of the general atmospheric circulation: an exhibit in the Royal Society Exhibition.*”
Meteorological Magazine 89, 319-330
(keywords: atmospheric circulation historical reconstruction)

Lamb, H.H., 1960
“*Research in world weather patterns.*”
Marine Observer 27, 101-110
(keywords: methodology meteorology climate change global)

Lamb, H.H., 1960
“*The use of monthly mean 'CLIMAT' charts for the study of large-scale weather patterns and their seasonal development.*”
Weather 15, 83-89
(keywords: methodology climate change meteorology reconstruction)

1959

Lamb, H.H., 1959
“*Tornado.*”
In: Encyclopaedic Dictionary of Physics. Pergamon Press, Oxford.
(keywords: storms)

Lamb, H.H., 1959
“*The southern westerlies: a preliminary survey.*”
Quart. J. Roy. Meteorol. Soc. 85, 1-23
(keywords: wind regional UK)

Lamb, H.H., 1959
“*Our changing climate, past and present.*”

Weather 14, 299-318
(keywords: climate change historical)

Lamb, H.H. and Johnson, A.I., 1959
“*Climatic variation and observed changes in the general circulation. Parts I and II.*”
Geografiska Annaler (Stockholm) 41, 94-134
(keywords: climate change observations general circulation)

1958

Lamb, H.H., 1958
“*The occurrence of very high surface temperatures.*”
Meteorological Magazine 87, 39-43
(keywords: surface temperature historical)

Lamb, H.H., 1958
“*Forecasting precipitation.*”
Meteorological Magazine 87, 179-188 Met. Off. Discussion.
(keywords: forecasting precipitation methodology)

Lamb, H.H., 1958
“*An expedition to the high Andes in southern Peru: some notes on the party 's weather log.*”
Meteorological Magazine 87, 225-231
(keywords: Peru meteorology observations)

Lamb, H.H., 1958
“*Differences in the meteorology of the northern and southern polar regions .*”
Meteorological Magazine 87, 364-379
(keywords: meteorology Arctic Antarctic observations)

1957

Lamb, H.H., 1957
“*Climate.*”
Ch.6 in: Air Ministry Handbook of Preventive Medicine. A.P.126 9B (chapter re-issued separately by the Meteorological Office as M.O.M.581) (2nd Edn.).
(keywords: climate change historical)

Lamb, H.H., 1957
“*Tornadoes in England May 21, 1950.*”
Geophysical Memoirs 99. Meteorological Office, H.M.S.O.
(keywords: storms UK historical)

Lamb, H.H., 1957
“*Some interesting features of the "Nullschicht" or maximum wind layer.*”
Meteorological Magazine 86, 142-145
(keywords: wind meteorology)

Lamb, H.H., 1957
“*Jet streams over North Africa and the central Mediterranean in January and February 1954.*”
Meteorol. Mag. 86, 76-84
(keywords: wind atmospheric circulation Africa Mediterranean historical)

Lamb, H.H., 1957
“*Some special features of the climate of St. Helena and the Trade-Wind zone in the South Atlantic.*”
Meteorol. Mag., 86, 73-76
(keywords: climate SH oceans wind Atlantic)

Lamb, H.H., 1957
“*Synoptic meteorology of the polar regions.*”
Meteorological Magazine 86, 130-138
(keywords: meteorology Arctic Antarctic)

1956

Lamb, H.H., 1956

“Antarctic atmospheric circulation.”

Nature 177, 1076-1077

(keywords: Antarctic atmospheric circulation)

Lamb, H.H., 1956

“Meteorological results of the Balaena Expedition 1946-47.”

Geophys. Memoir No.94. H.M.S.O. (for Met. Office).

(keywords: meteorology observations)

Lamb, H.H. (with Cdr. G.P. Britton), 1956

“A study of the general circulation of the atmosphere over the Far South.”

Weather 11 (in two parts), 281-291, 339-354

(keywords: general circulation atmospheric SH Antarctic)

1955

Lamb, H.H., 1955

“Two-way relationship between the snow or ice limit and 1000-500mb thickness in the overlying atmosphere.”

Quarterly Journal of the Royal Met. Soc., 81, 172-189

(keywords: atmospheric pressure ice snow)

Lamb, H.H. (with Cdr. G.P. Britton), 1955

“General atmospheric circulation and weather variations in the Antarctic.”

Geographical Journal 121(3), 334-349

(keywords: atmospheric circulation meteorology Antarctic climate change)

1953

Lamb, H.H., 1953

“British weather around the year, Parts I and II.”

Weather 8, 131-136 and 176-182

(keywords: UK meteorology historical)

Lamb, H.H., 1953

“Malta's sea breezes.”

Weather 10, 256-264

(keywords: Malta wind meteorology Mediterranean)

1951

Lamb, H.H., 1951

“The development of a method of estimating and forecasting the winds at 10,000 feet over the North Atlantic.”

Geophys. Pubn. III(2). Stationery Office for Meteorological Service, Dublin.

(keywords: methodology forecasting wind energy oceans)

Lamb, H.H., 1951

“Essay on frontogenesis and frontolysis, Parts I, II and III.”

Meteorological Magazine 80, 35-46, 65-71 and 97-106.

(keywords: meteorology methodology storms)

1950

Lamb, H.H., 1950

“Tornadoes of May 21, 1950.”

Lamb, H.H., 1950

“Types and spells of weather around the year in the British Isles: annual trends, seasonal structure of the year, singularities.”

Quarterly Journal of the Royal Meteorological Society 76, 393-438

(keywords: meteorological UK historical)

1948

Lamb, H.H., 1948

“Australasian Antarctic Expedition 1911-14 under Sir Douglas Mawson (a review).”

Meteorological Magazine 77, 108-111

(keywords: Australia New Zealand Antarctic SH historical meteorology)

1939

Lamb, H.H., 1939

“A visit to Iceland.”

Quart. J. Roy. Met. Soc. 65, 244-248

(keywords: Iceland climate historical)

Lamb, H.H., 1939

“Climate and legend in Norway.”

Quart. J. Roy. Meteorol. Soc. 65, 510 (and pictures).

(keywords: climate Norway historical reconstruction)

Barrett, C.F., Atkins, D.H.F., Cape, J.N., Crabtree, J., Davies, T.D. and others., ----

“Acid deposition in the United Kingdom, 1981-1985.”

104pp

(keywords: acid rain pollution precipitation UK)

Davies, T.D. and Groisman, P. (in press), ----

“Snow cover and the climate system.”

In: Snow Ecology (Eds. J. Pomeroy, H.G. Jones, Hoham, R. and Walker, S.)

(keywords: climate change snow meteorology)

Davies, T.D., Tranter, M., Wigington, P.D., Eshleman, K.N., Peters, N.E., van Sickle, J., DeWalle, D.R. and Murdoch, P. (in press), ----

“Prediction of episodic acidification with an empirical-mechanistic model.”

Hydrological Processes.

(keywords: acid rain pollution prediction modelling methodology impacts)

Davies, T.D., Viner, D. and Jones, P.D. (in press), ----

“Variations in the atmospheric circulation and climate over Europe over the past century.”

In: The Management of Lakes (Ed. G. Jones); NATO ARW.

(keywords: variation atmospheric circulation climate change Europe global warming historical observations lakes)

Hulme, M. (with R.A. Whitlow), ----

“Rainfall fluctuations and dambo gullyng in the Chikwakwa-Mangwende District of Zimbabwe, 1951-1988.”

Zimbabwe Science Journal.

(keywords: rainfall Zimbabwe Africa precipitation water impacts climate change)

Kentarchos, A. and Davies, T.D. (in press), ----

“A five-year climatology of cut-off low systems over the Northern Hemisphere (1980-1994).”

Int. J. Climatol.

(keywords: climate change NH historical scenarios meteorology methodology)

Wood, P.D., Agnew, M.D. and Petts, G.E., ----

“Hydro-ecological variability within a small groundwater fed stream: modelling instream responses.”

Hydrological Processes.

(keywords: hydrology ecology variability modelling methodology)

Craig Loehle, Ph.D,

“A 2000-year climate reconstruction based on normalized proxy data”

Hulme, M., Jenkins, G.J., Lu, X., Turnpenny, J.R., Mitchell, T.D., Jones, R.G. and others DATE [2002,

“Climate Change Scenarios for the United Kingdom: The UKCIP02 Scientific Report.”

Tyndall Centre for Climate Change Research, School of Environmental Sciences, University of East Anglia, Norwich, U.K.,
120pp Commissioned and funded by the Dept. for Environment, Food and Rural Affairs as part of the UK Climate Impacts Programme

(keywords: climate change scenarios modelling U.K. Britain Northern Ireland Scotland Wales Europe regional)

Shahgedonova, M., Burt, T.P. and Davies, T.D. (in press),

“Synoptic climatology of air pollution in Moscow.”

Theoretical and Applied Climatology

(keywords: modelling pollution air atmospheric Russia Europe synoptic impacts)

Vaganov, E.A., Naurazbaev, M.M., Schweingruber, F.H. and Briffa, K.R.,

“An 840-year tree-ring chronology for Taimir as an indicator of summer temperature changes.”

(manuscript in preparation)

Wilkinson, C.,

“Oceans and Empires: An Environmental History of the Sea in the Age of Sail”

(Reaktion Books - publication expected 2010)