

Literatur

- [Anisimov and Nelson, 1996] **Anisimov, O. and Nelson, F.** (1996). Permafrost distribution in the Northern Hemisphere under scenarios of climatic change. *Glob. Plan. Change*, 14(1/2):59–72.
- [Bard et al., 1990] **Bard, E., Hamelin, B., Fairbanks, R., and Zindler, A.** (1990). Calibration of the 14C timescale over the past 30 000 years using mass spectrometric U-Th ages from Barbados corals. *Nature*, 345:405–410.
- [Bard et al., 1997] **Bard, E., Rostek, F., and Sonzogni, C.** (1997). Interhemispheric synchrony of the last deglaciation inferred from alkenone palaeothermometry. *Nature*, 385:707–710.
- [Beck et al., 1997] **Beck, J., Recy, J., Taylor, F., Edwards, R., and Cabioch, G.** (1997). Abrupt changes in early Holocene tropical sea surface temperatures derived from coral records. *Nature*, 385:705–707.
- [Berger, 1978] **Berger, A.** (1978). Long-term variations of daily insolation and Quaternary climatic changes. *J. Atm. Sci.*, 35:2362–2367.
- [Berger, 2000] **Berger, A.** (2000). The role of CO₂, sea-level and vegetation during the Milankovitch-forced glacial-interglacial cycles. In *Geosphere-Biosphere Interactions and Climate. Proceedings of the Workshop held at Pontifical Academy of Sciences*, volume in press. L. Bengtsson (ed.).
- [Berger et al., 1998] **Berger, A., Loutre, M., and Gallee, H.** (1998). Sensitivity of the LLN climate model to the astronomical and CO₂ forcings over the last 200 kyr. *Clim. Dyn.*, 14:615–629.
- [Berger et al., 1993] **Berger, A., Tricot, C., Gallee, H., and Loutre, M.** (1993). Water vapour, CO₂ and insolation over the last glacial-interglacial cycles. *Phil. Trans. R. Soc. Lond.*, 341:253–261.
- [Berglund, 1986] **Berglund, B.** (1986). *Handbook of Holocene Palaeoecology and palaeohydrology*. John Wiley and Sons, Chichester (UK).
- [Betts et al., 1997] **Betts, R., Cox, P., Lee, S., and Woodward, F.** (1997). Contrasting physiological and structural vegetation feedbacks in climate change simulations. *Nature*, 387:796–799.
- [Bonan, 1998] **Bonan, G.** (1998). The land surface climatology of the NCAR Land Surface climate Model coupled to the NCAR community climate model. *J. Clim.*, 11:1307–1326.
- [Bonan et al., 1995] **Bonan, G., ChapinIII, F., and Thompson, S.** (1995). Boreal forest and tundra ecosystems as components of the climate system. *Clim. Change*, 29:145–167.

- [Bonan et al., 1992] **Bonan, G., Pollard, D., and Thompson, S.** (1992). Effects of boreal forest vegetation on global climate. *Nature*, 359:716–718.
- [Bond et al., 1993] **Bond, G., Broecker, W., Johnsen, S., McManus, J., Labeyrie, L., Jouzel, J., and Bonani, G.** (1993). Correlations between climate records from North Atlantic sediments and Greenland ice. *Nature*, 365:143–147.
- [Bond et al., 1992] **Bond, G., Heinrich, H., Broecker, W., Labeyrie, L., McManus, J., Andrews, J., Huon, S., Jantschik, R., Clasen, S., Simet, C., Tedesco, K., Klas, M., Bonani, G., and Ivy, S.** (1992). Evidence for massive discharges of icebergs into the North Atlantic ocean during the last glacial period. *Nature*, 360:245–249.
- [Bond and Lotti, 1995] **Bond, G. and Lotti, R.** (1995). Iceberg discharges into the North Atlantic on millennial time scales during the last glaciation. *Science*, 267:1005–1010.
- [Bond et al., 1997] **Bond, G., Showers, W., Cheseby, M., Lotti, R., Almasi, P., deMenocal, P., Priore, P., Cullen, H., Hajdas, I., and Bonani, G.** (1997). A pervasive millennial-scale cycle in North Atlantic Holocene and glacial climates. *Science*, 278:1257–1266.
- [Boyle and Keigwin, 1985] **Boyle, E. and Keigwin, L.** (1985). Comparison of Atlantic and Pacific paleochemical records for the last 215,000 years: changes in deep ocean circulation and chemical inventories. *Earth. Plan. Sci. Lett.*, 76:135–150.
- [Braconnot et al., 1999] **Braconnot, P., Joussaume, S., Marti, O., and deNoblet, N.** (1999). Synergistic feedbacks from ocean and vegetation on the African monsoon response to mid-Holocene insolation. *Geoph. Res. Let.*, 26(16):2481–2484.
- [Braconnot et al., 2000] **Braconnot, P., Marti, O., Joussaume, S., and Leclainche, Y.** (2000). Ocean feedback in response to 6 kyr BP insolation. *J. Clim.*, 13(9):1537–1553.
- [Bradley, 1985] **Bradley, R.** (1985). *Quaternary Paleoclimatology. Methods of Paleoclimatic Reconstruction*. Alan and Unwin Inc., Boston.
- [Broccoli and Manabe, 1987] **Broccoli, A. and Manabe, S.** (1987). The influence of continental ice, atmospheric CO₂, and land albedo on the climate of the last glacial maximum. *Clim. Dyn.*, 1:87–99.
- [Brostroem et al., 1998] **Brostroem, A., Coe, M., Harrison, S., Gallimore, R., Kutzbach, J., Foley, J., Prentice, I., and Behling, P.** (1998). Land surface feedbacks and palaeomonsoons in northern Africa. *Geoph. Res. Let.*, 25(19):3615–3618.

- [Brovkin et al., 1998] **Brovkin, V., Claussen, M., Petoukhov, V., and Ganopolski, A.** (1998). On the stability of the atmosphere-vegetation system in the Sahara-Sahel region. *J. Geophys. Res.*, 103(D24):31613–31624.
- [Brovkin et al., 1999] **Brovkin, V., Ganopolski, A., Claussen, M., Kubatzki, C., and Petoukhov, V.** (1999). Modelling climate response to historical land cover change. *Glob. Ecol. Biogeogr.*, 8:509–517.
- [Brovkin et al., 1997] **Brovkin, V., Ganopolski, A., and Svirezhev, Y.** (1997). A continuous climate-vegetation classification for use in climate-biosphere studies. *Ecol. Mod.*, 101:251–261.
- [Brovkin et al., 2000] **Brovkin, V., Levis, S., Loutre, M.-F., Claussen, M., Crucifix, M., Ganopolski, A., Kubatzki, C., and Petoukhov, V.** (2000). Stability analysis of the climate-vegetation system in the northern high latitudes. *Clim. Change*, in preparation.
- [Chalita and LeTreut, 1994] **Chalita, S. and LeTreut, H.** (1994). The albedo of temperate and boreal forest and the Northern Hemisphere climate: a sensitivity experiment using the LMD GCM. *Clim. Dyn.*, 10:231–240.
- [Chappell et al., 1996] **Chappell, J., Omura, A., Esat, T., McCulloch, M., Pandolfi, J., Ota, Y., and Pillans, B.** (1996). Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records. *Earth. Plan. Sci. Let.*, 141:227–236.
- [Charney, 1975] **Charney, J.** (1975). Dynamics of desert and drought in the Sahel. *Quart. Journ. Roy. Met. Soc.*, 101:193–202.
- [Charney et al., 1977] **Charney, J., Quirk, W., Chow, S.-H., and Kornfield, J.** (1977). A comparative study of the effects of albedo change on drought in semi-arid regions. *J. Atm. Sci.*, 34:1366–1385.
- [Cheddadi et al., 1998] **Cheddadi, R., Lamb, H., Guiot, J., and van der Kaars, S.** (1998). Holocene climatic change in Morocco: a quantitative reconstruction from pollen data. *Clim. Dyn.*, 14:883–890.
- [Cheddadi et al., 1997] **Cheddadi, R., Yu, G., Guiot, J., Harrison, S., and Prentice, I.** (1997). The climate of Europe 6000 years ago. *Clim. Dyn.*, 13:1–9.
- [Claussen, 1997] **Claussen, M.** (1997). Modeling bio-geophysical feedback in the African and Indian monsoon region. *Clim. Dyn.*, 13:247–257.
- [Claussen, 1998] **Claussen, M.** (1998). On multiple solutions of the atmosphere-vegetation system in present-day climate. *Glob. Change. Biol.*, 4:549–559.
- [Claussen, 2000a] **Claussen, M.** (2000a). Biogeophysical feedbacks and the dynamics of climate. In *Global Biogeochemical Cycles in the Climate System*, volume in press, San Diego. E.D Schulze, S.P. Harrison, M. Heimann, E.A. Holland, J. Lloyd, I.C. Prentice, D. Schimel (Ed.). Academic Press.

- [Claussen, 2000b] **Claussen, M.** (2000b). Earth System Models. In *Understanding the Earth System: Compartments, Processes and Interactions*, volume in press, Springer-Verlag, Heidelberg. E. Ehlers and T. Krafft (Ed.).
- [Claussen et al., 1998] **Claussen, M., Brovkin, V., Ganopolski, A., Kubatzki, C., and Petoukhov, V.** (1998). Modeling global terrestrial vegetation-climate interaction. *Phil. Trans. R. Soc. Lond.*, 353(B):53–63.
- [Claussen et al., 1999a] **Claussen, M., Brovkin, V., Ganopolski, A., Kubatzki, C., Petoukhov, V., and Rahmstorf, S.** (1999a). A new model for climate system analysis: Outline of the model and application to palaeoclimate studies. *Envir. Mod. Ass.*, 4:209–216.
- [Claussen and Gayler, 1997] **Claussen, M. and Gayler, V.** (1997). The greening of the Sahara during the mid-Holocene: results of an interactive atmosphere-biome model. *Glob. Ecol. Biogeogr. Let.*, 6:369–377.
- [Claussen and Klaassen, 1992] **Claussen, M. and Klaassen, W.** (1992). On regional surface fluxes over partly forested areas. *Beitr. Phys. Atm.*, 65(3):243–248.
- [Claussen and Kubatzki, 2000] **Claussen, M. and Kubatzki, C.** (2000). Wie die Sahara zur Wüste wurde. *Spek. Wiss.*, 2:21–24.
- [Claussen et al., 1999b] **Claussen, M., Kubatzki, C., Brovkin, V., Ganopolski, A., Hoelzmann, P., and Pachur, H.** (1999b). Simulation of an abrupt change in Saharan vegetation in the mid-Holocene. *Geoph. Res. Let.*, 26:2037–2040.
- [CLIMAP-members, 1981] **CLIMAP-members** (1981). Seasonal reconstruction of the earth's surface at the last glacial maximum. Map Chart Series MC-36, Geological Society of America.
- [Coe and Bonan, 1997] **Coe, M. and Bonan, G.** (1997). Feedbacks between climate and surface water in northern Africa during the middle Holocene. *J. Geophys. Res.*, 102(D10):11087–11101.
- [COHMAP-members, 1988] **COHMAP-members** (1988). Climatic changes of the last 18,000 years: observations and model simulations. *Science*, 241:1043–1052.
- [Cox et al., 1999] **Cox, P., Betts, R., Bunton, C., Essery, R., Rowntree, P., and Smith, J.** (1999). The impact of new land surface physics on the GCM simulation of climate and climate sensitivity. *Clim. Dyn.*, 15:183–203.
- [Cramer et al., 2000] **Cramer, W., Bondeau, A., Woodward, F., Prentice, I., Betts, R., Brovkin, V., Cox, P., Fisher, V., Foley, J., Friend, A., Kucharik, C., Lomas, M., Ramankutty, N., Sitch, S., Smith, B., White, A., and Young-Molling, C.** (2000). Global response of terrestrial ecosystem structure and function to CO₂ and climate change: results from six dynamic vegetation models. *Glob. Change. Biol.*, submitted.

- [Crowley and Baum, 1997] **Crowley, T. and Baum, S.** (1997). Effect of vegetation on an ice-age climate model simulation. *J. Geophys. Res.*, 102(D14):16463–16480.
- [Crowley and Kim, 1992] **Crowley, T. and Kim, K.** (1992). Complementary roles of orbital insolation and North Atlantic Deep Water during late Pleistocene interglacials. *Paleoc.*, 7(5):521–528.
- [Crowley and Kim, 1994] **Crowley, T. and Kim, K.** (1994). Milankovitch forcing of the Last Interglacial sea level. *Science*, 265:1566–1567.
- [Crowley and North, 1990] **Crowley, T. and North, G.** (1990). *Paleoclimatology*. Oxford Monographs on Geology and Geophysics, No. 18, Oxford University Press, Oxford.
- [Dansgaard, 1964] **Dansgaard, W.** (1964). Stable isotopes in precipitation. *Tellus*, 16:436–468.
- [Dansgaard et al., 1993] **Dansgaard, W., Johnson, S., Clausen, H., Dahl-Jensen, D., Gundestrup, N., Hammer, C., Hvilstedsen, J., Steffensen, J., Sveinbjörnsson, A., Jouzel, J., and Bond, G.** (1993). Evidence for general instability of past climate from a 250-kyr ice-core record. *Nature*, 364:218–220.
- [de Noblet et al., 1996a] **de Noblet, N., Braconnot, P., Joussaume, S., and Masson, V.** (1996a). Sensitivity of simulated Asian and African summer monsoons to orbitally induced variations in insolation 126, 115 and 6 kBP. *Clim. Dyn.*, 12:589–603.
- [de Noblet et al., 2000] **de Noblet, N., Claussen, M., and Prentice, I.** (2000). Mid-Holocene greening of the Sahara: comparing the response of two coupled atmosphere/biome models. *Clim. Dyn.*, in press.
- [de Noblet et al., 1996b] **de Noblet, N., Prentice, I., Joussaume, S., Texier, D., Botta, A., and Haxelton, A.** (1996b). Possible role of atmosphere-biosphere interactions in triggering the last glaciation. *Geoph. Res. Lett.*, 23(N22):3191–3194.
- [DeMenocal et al., 2000a] **DeMenocal, P., Ortiz, J., Guilderson, T., Adkins, J., Sarnthein, M., L.Baker, and Yarusinsky, M.** (2000a). Abrupt onset and termination of the African Humid Period: rapid climate responses to gradual insolation forcing. *Quat. Sci. Rev.*, 19:347–361.
- [DeMenocal et al., 2000b] **DeMenocal, P., Ortiz, J., Guilderson, T., and Sarnthein, M.** (2000b). Coherent high- and low-latitude climate variability during the Holocene warm period. *Science*, 288:2198–2202.
- [DeMenocal and Rind, 1993] **DeMenocal, P. and Rind, D.** (1993). Sensitivity of Asian and African climate to variations in seasonal insolation, glacial ice cover, sea surface temperature, and Asian orography. *J. Geophys. Res.*, 98(D4):7265–7287.

- [Dickinson, 1992] **Dickinson, R.** (1992). *Land surface*. Climate System Modeling. K.E. Trenberth (Ed.).
- [Dickinson et al., 1986] **Dickinson, R., Henderson-Sellers, A., Kennedy, P., and Wilson, M.** (1986). Biosphere-Atmosphere Transfer Scheme (BATS) for the NCAR CCM. NCAR/TN -275-STR, National Center for Atmospheric Research, Boulder (Colorado).
- [Dirmeyer and Shukla, 1994] **Dirmeyer, P. and Shukla, J.** (1994). The effect on climate of doubling deserts. Technical report, Center for Ocean-Land-Atmosphere Studies.
- [Dong and Valdes, 1995] **Dong, B. and Valdes, P.** (1995). Sensitivity studies of Northern Hemisphere glaciation using an atmospheric general circulation model. *J. Clim.*, 8:2471–2496.
- [Dong et al., 1996] **Dong, B., Valdes, P., and Hall, N.** (1996). The changes of monsoonal climates due to earth's orbital perturbations and ice age boundary conditions. *Paleoclim.*, 1:203–240.
- [Douville and Royer, 1997] **Douville, H. and Royer, J.** (1997). Influence of the temperate and boreal forests on the Northern Hemisphere climate in the Meteo-France climate model. *Clim. Dyn.*, 13:57–74.
- [Dutrieux et al., 1996] **Dutrieux, A., Berger, A., Loutre, M., and Tricot, C.** (1996). Classical feedback method and separation factor method: comparison and application to 0-D energy balance model. Progress Report 1996/3, Institut d'Astronomie et de Géophysique G. Lemaître (ASTR), Université Catholique de Louvain (UCL), Louvain-La-Neuve (Belgium).
- [Dutton and Barron, 1996] **Dutton, J. and Barron, E.** (1996). GENESIS sensitivity to changes in past vegetation. *Paleoclim.*, 1:325–354.
- [Elliot et al., 1998] **Elliot, M., Labeyrie, L., Bond, G., Cortijo, E., Turon, J., Tisnerat, N., and Duplessy, J.** (1998). Millennial-scale iceberg discharges in the Irminger Basin during the last glacial period: Relationship with the Heinrich events and environmental settings. *Paleoc.*, 13(5):433–446.
- [Fairbanks, 1989] **Fairbanks, R.** (1989). A 17,000-year glacio-eustatic sea level record: influence of glacial melting rates on the Younger Dryas event and deep-ocean circulation. *Nature*, 342:637–642.
- [Foley, 1994] **Foley, J.** (1994). The sensitivity of the terrestrial biosphere to climatic change: a simulation of the mid-Holocene. *Glob. Biogeochem. Cyc.*, 8(4):505–525.
- [Foley et al., 1994] **Foley, J., Kutzbach, J., Coe, M., and Levis, S.** (1994). Feedbacks between climate and boreal forests during the Holocene epoch. *Nature*, 371:52–54.

- [Foley et al., 1996] **Foley, J., Prentice, I., Ramankutty, N., Levis, S., Pollard, D., Sitch, S., and Haxeltine, A.** (1996). An integrated biosphere model of land surface processes, terrestrial carbon balance, and vegetation dynamics. *Glob. Biogeochem. Cyc.*, 10(4):603–628.
- [Fraedrich et al., 1999] **Fraedrich, K., Kleidon, A., and Lunkeit, F.** (1999). A green planet versus a desert world: estimating the maximum effect of vegetation on the atmosphere. *J. Clim.*, 12(10):3156–3163.
- [Frenzel, 1967] **Frenzel, B.** (1967). *Die Klimaschwankungen des Erdzeitalters*. Die Wissenschaft, Band 129, W. Westphal and H. Rotta (Ed.).
- [Frenzel et al., 1992] **Frenzel, B., Pecsi, M., and Velichko, A.** (1992). *Atlas of Paleoclimates and Paleoenvironments of the Northern Hemisphere. Late Pleistocene - Holocene*. Geographical Research Institute, Hungarian Academy of Sciences, Budapest. Gustav Fischer Verlag, Stuttgart (Germany).
- [Gallee et al., 1992] **Gallee, H., van Ypersele, J., Fichefet, T., Marsiat, I., Tricot, C., and Berger, A.** (1992). Simulation of the last glacial cycle by a coupled, sectorally averaged climate-ice sheet model: 2. Response to insolation and CO₂ variations. *J. Geophys. Res.*, 97(D14):15713–15740.
- [Gallee et al., 1991] **Gallee, H., van Ypersele, J., Fichefet, T., Tricot, C., and Berger, A.** (1991). Simulation of the last glacial cycle by a coupled, sectorally averaged climate-ice sheet model: 1. The climate model. *J. Geophys. Res.*, 96(D14):13139–13161.
- [Gallimore and Kutzbach, 1996] **Gallimore, R. and Kutzbach, J.** (1996). Role of orbitally induced changes in tundra area in the onset of glaciation. *Nature*, 381:503–505.
- [Ganopolski et al., 1998a] **Ganopolski, A., Kubatzki, C., Claussen, M., Brovkin, V., and Petoukhov, V.** (1998a). The influence of vegetation-atmosphere-ocean interaction on climate during the mid-Holocene. *Science*, 280:1916–1919.
- [Ganopolski et al., 2000] **Ganopolski, A., Petoukhov, V., Rahmstorf, S., Brovkin, V., Claussen, M., Eliseev, A., and Kubatzki, C.** (2000). CLIMBER-2: A climate system model of intermediate complexity. Part II: Model sensitivity. *Clim. Dyn.*, accepted.
- [Ganopolski and Rahmstorf, 2000] **Ganopolski, A. and Rahmstorf, S.** (2000). Rapid glacial climate changes in a coupled model. *Nature*, submitted.
- [Ganopolski et al., 1998b] **Ganopolski, A., Rahmstorf, S., Petoukhov, V., and Claussen, M.** (1998b). Simulation of modern and glacial climates with a coupled global model of intermediate complexity. *Nature*, 391:351–356.

- [Gasse et al., 1990] **Gasse, F., Tehet, R., Durand, A., Gibert, E., and Fontes, J.** (1990). The arid-humid transition in the Sahara and the Sahel during the last deglaciation. *Nature*, 346:141–146.
- [Graetz, 1991] **Graetz, R.** (1991). The nature and significance of the feedback of changes in terrestrial vegetation on global atmospheric and climatic changes. *Clim. Change*, 18:147–173.
- [Grassl, 2000] **Grassl, H.** (2000). Status and improvement of coupled general circulation models. *Science*, 288:1991–1997.
- [Grichuk, 1992] **Grichuk, V.** (1992). *Vegetation during the last interglacial*. Atlas of Paleoclimates and Paleoenvironments of the Northern Hemisphere. Late Pleistocene - Holocene. B. Frenzel, M. Pesci, A.A. Velichko (Ed.), Gustav Fischer Verlag, Stuttgart (Germany).
- [GRIP-members, 1993] **GRIP-members** (1993). Climate instability during the last interglacial period recorded in the GRIP core. *Nature*, 364:203–207.
- [Grootes et al., 1993] **Grootes, P., Stuiver, M., White, J., Johnsen, S., and Jouzel, J.** (1993). Comparison of oxygen isotope records from the GISP2 and GRIP Greenland ice records. *Nature*, 366:552–554.
- [Guetter and Kutzbach, 1990] **Guetter, P. and Kutzbach, J.** (1990). A modified Koeppen classification applied to model simulations of glacial and interglacial climate. *Clim. Change*, 16:193–215.
- [Guiot et al., 1993] **Guiot, J., deBeaulieu, J., Cheddadi, R., David, F., Ponel, P., and Reille, M.** (1993). The climate in western Europe during the last glacial/interglacial cycle derived from pollen and insect remains. *Paleoc. Paleoclim. Paleoeco.*, 103:73–93.
- [Gutman, 1984] **Gutman, G.** (1984). Numerical experiments on land surface alterations with a zonal model allowing for interaction between the geobotanic state and climate. *J. Atm. Sci.*, 41(18):2679–2685.
- [Hall and Valdes, 1997] **Hall, N. and Valdes, P.** (1997). A GCM simulation of the climate 6000 years ago. *J. Clim.*, 10:3–17.
- [Hansen et al., 1984] **Hansen, J., Lacis, A., Rind, D., Russell, G., Stone, P., Fung, I., Ruedy, R., and Lerner, J.** (1984). Climate sensitivity: analysis of feedback mechanisms. In *Climate processes and climate sensitivity*, Washington D.C. Maurice Ewing, Vol.5, American Geophysical Union.
- [Harrison et al., 1995] **Harrison, S., Kutzbach, J., Prentice, I., Behling, T., and Sykes, M.** (1995). The response of Northern Hemisphere extratropical climate and vegetation to orbitally induced changes in insolation during the last glaciation. *Quat. Res.*, 43:174–184.

- [Harrison and PMIP-participants, 1998] **Harrison, S. and PMIP-participants** (1998). Intercomparison of simulated global vegetation distributions in response to 6 kyr BP orbital forcing. *J. Clim.*, 11:2721–2742.
- [Harvey, 1989] **Harvey, L.** (1989). Milankovitch forcing, vegetation feedback, and North Atlantic deep-water formation. *J. Clim.*, 2:800–815.
- [Hays et al., 1976] **Hays, J., Inbrie, J., and Shackleton, N.** (1976). Variations in the earths orbit: pacemaker of the ice ages. *Science*, 194:1121–1132.
- [Heinrich, 1988] **Heinrich, H.** (1988). Origin and consequences of cyclic ice rafting in the northeast Atlantic ocean during the past 130,000 years. *Quat. Res.*, 29:142–152.
- [Henderson-Sellers, 1993] **Henderson-Sellers, A.** (1993). Continental vegetation as a dynamic component of a global climate model: a preliminary assessment. *Clim. Change*, 23:337–377.
- [Hewitt and Mitchell, 1996] **Hewitt, C. and Mitchell, J.** (1996). GCM simulations of the climate of 6 kyr BP: mean changes and interdecadal variability. *J. Clim.*, 9:3505–3529.
- [Hewitt and Mitchell, 1998] **Hewitt, C. and Mitchell, J.** (1998). A fully coupled GCM simulation of the climate of the mid-Holocene. *Geoph. Res. Lett.*, 25:361–364.
- [Hillmer and Weitschat, 1983] **Hillmer, G. and Weitschat, W.** (1983). *Fuehrer durch die Schausammlung Geologisch-Palaeontologisches Institut und Museum*. Universitaet Hamburg (Ed.), Hans Christians Verlag, Hamburg (Germany).
- [Hoelzmann et al., 1998] **Hoelzmann, P., Jolly, D., Harrison, S., Laarif, F., Bonnefille, R., and Pachur, H.-J.** (1998). Mid-Holocene land-surface conditions in northern Africa and the Arabian peninsula: a data set for the analysis of biogeophysical feedbacks in the climate system. *Glob. Biogeochem. Cyc.*, 12:35–51.
- [Holdridge, 1947] **Holdridge, L.** (1947). Determination of world formations from simple climate data. *Science*, 105:367–368.
- [Houghton et al., 1996] **Houghton, J., Meira-Filho, L., Callander, B., Harris, N., Kattenberg, A., and (Ed.), K. M.** (1996). *Climate Change 1995. The Science of Climate Change*. Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge (UK).
- [Huntley and Prentice, 1993] **Huntley, B. and Prentice, I.** (1993). *Holocene vegetation and climate of Europe*. Global Climates since the Last Glacial Maximum. H.E. WrightJr and J.E. Kutzbach and T. WebbIII and W.F. Ruddiman and F.A. Street-Perrot and P.J. Bartlein(Ed.).

- [Huntley and WebbIII, 1988] **Huntley, B. and WebbIII, T.** (1988). *Vegetation history*. Kluwer Academic Publishers, Dordrecht (The Netherlands).
- [Hyde et al., 1989] **Hyde, W., Crowley, T., Kim, K., and North, G.** (1989). Comparison of GCM and energy balance model simulations of seasonal temperature changes over the past 18000 years. *J. Clim.*, 2:864–887.
- [Imbrie et al., 1984] **Imbrie, J., Hays, J., Martinson, D., McIntyre, A., Mix, A., Morley, J., Pisias, N., Prell, W., and Shackleton, N.** (1984). *The orbital theory of Pleistocene climate: support from a revised chronology of the marine d18O record*. Milankovitch and Climate. A. Berger and J. Imbrie and J. Hays and G. Kukla and B. Saltzman (Ed.), Reidel, Dordrecht.
- [Imbrie and Imbrie, 1981] **Imbrie, J. and Imbrie, K. P.** (1981). *Die Eiszeiten. Naturgewalten veraendern unsere Welt*. Econ Verlag, Duesseldorf (Germany).
- [Indermuehle et al., 1999] **Indermuehle, A., Stocker, T., Joos, F., Fischer, H., Smith, H., Wahlen, M., Deck, B., Mastroianni, D., Tschumi, J., Blunier, T., Meyer, R., and Stauffer, B.** (1999). Holocene carbon-cycle dynamics based on CO₂ trapped in ice at Taylor Dome, Antarctica. *Nature*, 398:121–126.
- [Jolly et al., 1998a] **Jolly, D., Harrison, S., Damnat, B., and Bonnefille, R.** (1998a). Simulated climate and biomes of Africa during the late Quaternary: comparison with pollen and lake status data. *Quat. Sci. Rev.*, 17:629–657.
- [Jolly et al., 1998b] **Jolly, D., Prentice, I., Bonnefille, R., Ballouche, A., Bengo, M., Brenac, P., Buchet, G., Burney, D., Cazet, J., Cheddadi, R., Edorh, T., Elenga, H., Elmoutaki, S., Guiot, J., Laarif, F., Lamb, H., Lezine, A., Maley, J., Mbenza, M., Peryron, O., Reille, M., Reynaud-Farrera, I., Riollet, G., Ritchie, J., Roche, E., Scott, L., Ssemmanda, I., Straka, H., Umer, M., vanCampo, E., Vilimumbalo, S., Vincens, A., and Waller, M.** (1998b). Biome reconstruction from pollen and plant macrofossil data for Africa and the Arabian peninsula at 0 and 6 ka. *J. Biogeogr.*, 25(6):1007–1027.
- [Joussaume and Braconnot, 1997] **Joussaume, S. and Braconnot, P.** (1997). Sensitivity of paleoclimate simulations results to season definitions. *J. Geophys. Res.*, 102:1943–1956.
- [Joussaume and Taylor, 1995] **Joussaume, S. and Taylor, K.** (1995). Status of the Paleo-climate Modeling Intercomparison Project (PMIP). In *Proceedings of the first International AMIP scientific conference (Monterrey, California, USA, 15-19 May 1995)*, volume WCRP-92.
- [Joussaume et al., 2000] **Joussaume, S., Taylor, K., Braconnot, P., Mitchell, J., Kutzbach, J., Harrison, S., Prentice, I., Broccoli, A., Abe-Ouchi, A., Bartlein, P., Bonfils, C., Dong, B., Guiot, J., Herterich, K., Hewitt, C., Jolly, D., Kim, J., Kislov, A., Kitoh, A., Loutre, M., Masson, V., McAvaney, B., McFarlane, N., deNoblet, N., Peltier, W., Peterschmitt, J., Pollard,**

- D., Rind, D., Royer, J., Schlesinger, M., Syktus, J., Thompson, S., Valdes, P., Vettoretti, G., Webb, R., and Wyputta, U.** (2000). Monsoon changes for 6000 years ago: results of 18 simulations from the Paleoclimate Modeling Intercomparison Project (PMIP). *Geoph. Res. Let.*, 26(7):859–862.
- [Jouzel et al., 1987]**Jouzel, J., Lorius, C., Petit, J., Genthon, C., Barkov, N., Kotlyakov, V., and Petrov, V.** (1987). Vostok ice core: a continuous isotope temperature record over the last climatic cycle (160,000 years). *Nature*, 329:403–407.
- [Jouzel et al., 1996]**Jouzel, J., Waelbroeck, C., Malaize, B., Bender, M., Petit, J., Stievenard, M., Barkov, N., Barnola, J., King, T., Kotlyakov, V., Lipenkov, V., Lorius, C., Raynaud, D., Ritz, C., and Sowers, T.** (1996). Climatic interpretations of the recently extended Vostok ice records. *Clim. Dyn.*, 12:513–521.
- [Kleidon et al., 2000]**Kleidon, A., Fraedrich, K., and Heimann, M.** (2000). A green planet versus a desert world: estimating the maximum effect of vegetation on the land surface climate. *Clim. Change*, 44(4):471–493.
- [Kleidon and Heimann, 1998]**Kleidon, A. and Heimann, M.** (1998). The effect of deep rooted vegetation on the simulated climate of an atmospheric general circulation model. MPI-Report 249, Max-Planck-Institut fuer Meteorologie, Hamburg (Germany).
- [Koeppen, 1923]**Koeppen, W.** (1923). *Die Klimate der Erde*. Walter de Gruyter, Berlin.
- [Kubatzki and Claussen, 1998]**Kubatzki, C. and Claussen, M.** (1998). Simulation of the global bio-geophysical interactions during the Last Glacial Maximum. *Clim. Dyn.*, 14:461–471.
- [Kubatzki et al., 2000]**Kubatzki, C., Montoya, M., Rahmstorf, S., Ganopolski, A., and Claussen, M.** (2000). Comparison of a coupled global model of intermediate complexity and an AOGCM for the last interglacial. *Clim. Dyn.*, in press.
- [Kutzbach et al., 1996]**Kutzbach, J., Bonan, G., Foley, J., and Harrison, S.** (1996). Vegetation and soil feedbacks on the response of the African monsoon to orbital forcing in the early to middle Holocene. *Nature*, 384:623–626.
- [Kutzbach and Guetter, 1986]**Kutzbach, J. and Guetter, P.** (1986). The influence of changing orbital parameters and surface boundary conditions for the past 18,000 years. *J. Geophys. Res.*, 93:801–821.
- [Kutzbach et al., 1993]**Kutzbach, J., Guetter, P., Behling, P., and Selin, R.** (1993). *Simulated Climatic Changes: Results of the COHMAP climate-model experiments*. Global Climates since the Last Glacial Maximum. H.E. Wright Jr, J.E. Kutzbach, T. Webb III, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).

- [Kutzbach and Liu, 1997] **Kutzbach, J. and Liu, Z.** (1997). Response of the African monsoon to orbital forcing and ocean feedbacks in the middle Holocene. *Science*, 278:440–443.
- [Kutzbach and Street-Perrott, 1985] **Kutzbach, J. and Street-Perrott, F.** (1985). Milankovitch forcing of fluctuations in the level of tropical lakes from 18 to 0 kyr BP. *Nature*, 317:130–134.
- [Lamb and Peppler, 1992] **Lamb, P. and Peppler, R.** (1992). Further case studies of tropical Atlantic surface atmospheric and oceanic patterns associated with sub-Saharan drought. *J. Clim.*, 5:476–488.
- [Lapenisi and Shabalova, 1994] **Lapenisi, A. and Shabalova, M.** (1994). Global climate changes and moisture conditions in the intracontinental arid zones. *Clim. Change*, 27:283–297.
- [Larcher, 1984] **Larcher, W.** (1984). *Oekologie der Pflanzen*. Verlag Eugen Ulmer, Stuttgart (Germany).
- [Lautenschlager and Herterich, 1990] **Lautenschlager, M. and Herterich, K.** (1990). Atmospheric response to ice age conditions: climatology near the earth's surface. *J. Geophys. Res.*, 95(D13):22547–22557.
- [Laval and Picon, 1986] **Laval, K. and Picon, L.** (1986). Effect of a change of the surface albedo of the Sahel on climate. *J. Atm. Sci.*, 43(21):2418–2429.
- [Lerch, 1991] **Lerch, G.** (1991). *Pflanzenökologie*. Akademie Verlag, Berlin (Germany).
- [Levis and Foley, 1999] **Levis, S. and Foley, J.** (1999). Potential high-latitude vegetation feedbacks on CO₂-induced climate change. *Geophys. Res. Lett.*, 26(6):747–750.
- [Levis et al., 2000a] **Levis, S., Foley, J., Brovkin, V., and Pollard, D.** (2000a). On the stability of the high-latitude climate-vegetation system in a coupled atmosphere-biosphere model. *Glob. Ecol. Biogeogr. Lett.*, 8:489–500.
- [Levis et al., 1999] **Levis, S., Foley, J., and Pollard, D.** (1999). CO₂, climate and vegetation feedbacks at the Last Glacial Maximum. *J. Geophys. Res.*, 104:31191–31198.
- [Levis et al., 2000b] **Levis, S., Foley, J., and Pollard, D.** (2000b). Large scale vegetation feedbacks on a doubled CO₂ climate. *J. Clim.*, 13:1313–1325.
- [Lezine, 1989] **Lezine, A.** (1989). Late Quaternary vegetation and climate of the Sahel. *Quat. Res.*, 32:317–334.
- [LIGA-members, 1991] **LIGA-members** (1991). Report of the 1st discussion group: the last interglacial in high latitudes of the Northern Hemisphere: terrestrial and marine evidence. *Quat. Int.*, 10-12:9–28.

- [Linsley, 1996] **Linsley, B.** (1996). Oxygen-isotope record of sea level and climate variations in the Sulu sea over the past 150,000 years. *Nature*, 380:234–237.
- [Lofgren, 1995a] **Lofgren, B.** (1995a). Sensitivity of land-ocean circulations, precipitation, and soil moisture to perturbed land surface albedo. *J. Clim.*, 8(10):2521–2542.
- [Lofgren, 1995b] **Lofgren, B.** (1995b). Surface albedo-climate feedback simulated using two-way coupling. *J. Clim.*, 8(10):2543–2562.
- [Lohmann et al., 1993] **Lohmann, U., Sausen, R., Bengtsson, L., Cubasch, U., Perlitz, J., and Roeckner, E.** (1993). The Koeppen climate classification as a diagnostic tool for general circulation models. *Clim. Res.*, 3:177–193.
- [Lorenz et al., 1996] **Lorenz, S., Grieger, B., Helbig, P., and Herterich, K.** (1996). Investigation the sensitivity of the Atmospheric General Circulation Model ECHAM-3 to paleoclimatic boundary conditions. *Geol. Rundschau*, 85:513–524.
- [Lowe and Walker, 1997] **Lowe, J. and Walker, M.** (1997). *Reconstructing Quaternary Environments*. Addison Wesley Longman Limited, Harlow, Essex (England).
- [MacDonald et al., 2000] **MacDonald, G., Velichko, A., Kremenetski, C., Borisova, O., Goleva, A., Andreev, A., Cwynar, L., Riding, R., Forman, S., Edwards, T., Aravena, R., Hammarlund, D., Szeicz, J., and Gattaulin, V.** (2000). Holocene treeline history and climate change across northern Eurasia. *Quat. Res.*, 53:302–311.
- [Masson et al., 1999] **Masson, V., Cheddadi, R., Braconnot, P., Joussaume, S., Texier, D., and PMIP-participants** (1999). Mid-Holocene climate in Europe: what can we infer from PMIP model-data comparisons ? *Clim. Dyn.*, 15:163–182.
- [Masson et al., 1998] **Masson, V., Joussaume, S., Pinot, S., and Ramstein, G.** (1998). Impact of parameterizations on simulated winter mid-Holocene and Last Glacial Maximum climatic changes in the Northern hemisphere. *J. Geophys. Res.*, 103(D8):8935–8946.
- [Meehl, 1994] **Meehl, G.** (1994). Influence of the land surface in the Asian summer monsoon: external conditions versus internal feedbacks. *J. Clim.*, 7(7):1033–1049.
- [Milankovic, 1941] **Milankovic, M.** (1941). *Kanon der Erdbestrahlung und seine Anwendung auf das Eiszeitproblem*. Koeniglich Serbische Akademie, Belgrad.
- [Mintz, 1981] **Mintz, Y.** (1981). The sensitivity of numerically simulated climates to land-surface boundary conditions. In *JSC Study Conference on Land Surface Processes in Atmospheric General Circulation Models, Greenbelt, USA, 5-10 January 1981*.

- [Mitchell, 1993] **Mitchell, J.** (1993). Modelling of palaeoclimates: examples from the recent past. *Phil. Trans. R. Soc. Lond.*, 341(B):267–275.
- [Monserud et al., 1993] **Monserud, R., Denissenko, O., and Tchebakova, N.** (1993). Comparison of Siberian paleovegetation to current and future vegetation under climate change. *Clim. Res.*, 3:143–159.
- [Montoya et al., 1998] **Montoya, M., Crowley, T., and von Storch, H.** (1998). Temperatures at the last interglacial simulated by means of a coupled general circulation model. *Paleoc.*, 13:170–177.
- [Montoya et al., 2000] **Montoya, M., von Storch, H., and Crowley, T.** (2000). Climate simulation for 125,000 years ago with a coupled ocean-atmosphere General Circulation Model. *J. Clim.*, 13(6):1057–1072.
- [Nicholson and Flohn, 1980] **Nicholson, S. and Flohn, H.** (1980). African environmental and climatic changes and the general atmospheric circulation in late Pleistocene and Holocene. *Clim. Change*, 2:313–348.
- [North et al., 1983] **North, G., Mengel, J., and Short, D.** (1983). Simple energy balance model resolving the seasons and the continents: Application to the astronomical theory of ice ages. *J. Geophys. Res.*, 88:6576–6586.
- [Oppo and Fairbanks, 1990] **Oppo, D. and Fairbanks, R.** (1990). Atlantic ocean thermo-haline circulation of the last 150,000 years: relationship to climate and atmospheric CO₂. *Paleoc.*, 5(3):277–288.
- [Otto-Bliesner, 1999] **Otto-Bliesner, B.** (1999). El Niño/La Niña and Sahel precipitation during the middle Holocene. *Geoph. Res. Let.*, 26(1):87–90.
- [Paillard, 1998] **Paillard, D.** (1998). The timing of Pleistocene glaciations from a simple multiple-state climate model. *Nature*, 391:378–381.
- [Peixoto and Oort, 1992] **Peixoto, J. and Oort, A.** (1992). *Physics of Climate*. American Institute of Physics, New York.
- [Peterson, 1993] **Peterson, G.** (1993). *Vegetational and climate history of the western former Soviet Union*. Global Climates since the Last Glacial Maximum. H.E. WrightJr, J.E. Kutzbach, T. WebbIII, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).
- [Petit et al., 1999] **Petit, J., Jouzel, J., Raynaud, D., Barkov, N., Barnola, J., Basile, I., Bender, M., Chappellaz, J., Davis, M., Delaygue, G., Delmotte, M., Kotlyakov, V., Legrand, M., Lipenkov, V., Lorius, C., Pepin, L., Ritz, C., Saltzman, E., and Stievenard, M.** (1999). Climate and atmospheric history of the past 420,000 years from the Vostok ice core, Antarctica. *Nature*, 399:429–436.
- [Petit-Maire and Guo, 1996] **Petit-Maire, N. and Guo, Z.** (1996). Mise en évidence de variations climatiques holocènes rapides, en phase dans les déserts actuels de Chine et du Nord de l'Afrique. *Sci. Terre. Plan.*, 322:847–851.

- [Petoukhov and Ganopolski, 1994] **Petoukhov, V. and Ganopolski, A.** (1994). A set of climate models for integrated modelling of climate change impacts. Part II: A 2.5-dimensional dynamical-statistical climate model (2.5-DSCM). IIASA-Report WP-94-39, International Institute for Applied System Analysis, Laxenburg (Austria).
- [Petoukhov et al., 2000] **Petoukhov, V., Ganopolski, A., Brovkin, V., Claussen, M., Eliseev, A., Kubatzki, C., and Rahmstorf, S.** (2000). CLIMBER-2: A climate system model of intermediate complexity. Part I: Model description and performance for present climate. *Clim. Dyn.*, 16:1–17.
- [Pitman and PILPS-members, 1999] **Pitman, A. and PILPS-members** (1999). Key results and implications from phase 1(c) of the Project for Intercomparison of Land-surface Parametrization Schemes. *Clim. Dyn.*, 15:673–684.
- [Pollard et al., 1998] **Pollard, D., Bergengren, J., Stillwellsoller, L., Felzer, B., and Thompson, S.** (1998). Climate simulations for 10000 and 6000 years BP using the GENESIS global climate model. *Paleoclim.*, 2(2-3):183–218.
- [Pollard and Thompson, 1995] **Pollard, D. and Thompson, S.** (1995). Use of a land-surface-transfer scheme (LSX) in a global climate model (GENESIS): the effect of doubling stomatal resistance in a global climate model. *Glob. Plan. Change*, 10:129–161.
- [Pons et al., 1992] **Pons, A., Guiot, J., deBeaulieu, J., and Reille, M.** (1992). Recent contributions to the climatology of the last glacial-interglacial cycle based on french pollen sequences. *Quat. Sci. Rev.*, 11:439–448.
- [Prell and Kutzbach, 1987] **Prell, W. and Kutzbach, J.** (1987). Monsoon variability over the last 150,000 years. *J. Geophys. Res.*, 92:8411–8425.
- [Prentice et al., 1996] **Prentice, I., Guiot, J., Huntley, B., Jolly, D., and Cheddadi, R.** (1996). Reconstructing biomes from palaeoecological data: a general method and its application to European pollen data at 0 and 6 ka. *Clim. Dyn.*, 12:185–194.
- [Rahmstorf, 1996] **Rahmstorf, S.** (1996). On the freshwater forcing and transport of the Atlantic thermohaline circulation. *Clim. Dyn.*, 12:799–811.
- [Rahmstorf, 1997] **Rahmstorf, S.** (1997). Risk of sea-change in the Atlantic. *Nature*, 388:825–826.
- [Rahmstorf and Ganopolski, 1999] **Rahmstorf, S. and Ganopolski, A.** (1999). Long-term global warming scenarios computed with an efficient coupled climate model. *Clim. Change*, 43:353–367.
- [Ramanathan et al., 1989] **Ramanathan, V., Cess, R., Harrison, E., Minis, P., Barkstrom, B., Ahmad, E., and Hartmann, D.** (1989). Cloud radiative forcing and climate: results from the Earth Radiation Budget Experiment. *Science*, 243:57–63.

- [Rind, 1984] **Rind, D.** (1984). The influence of vegetation on the hydrologic cycle in a global climate model. In *Climate processes and climate sensitivity*. Geophysical Monograph 29, Maurice Ewing, Vol.5.
- [Ritchie and Harrison, 1993] **Ritchie, J. and Harrison, S.** (1993). *Vegetation, lake levels, and climate in western Canada during the Holocene*. Global Climates since the Last Glacial Maximum. H.E. WrightJr, J.E. Kutzbach, T. WebbIII, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).
- [Rodwell and Hoskins, 1996] **Rodwell, M. and Hoskins, B.** (1996). Monsoons and the dynamics of deserts. *Quart. Journ. Roy. Met. Soc.*, 122:1385–1404.
- [Roeckner et al., 1992] **Roeckner, E., Arpe, K., Bengtsson, L., Brinkop, S., Duemenil, L., Esch, M., Kirk, E., Lunkeit, F., Ponater, M., Rockel, B., Sausen, R., Schleise, U., Schubert, S., and Windelband, M.** (1992). Simulation of the present-day climate with the ECHAM-model: impact of model physics and resolution. MPI-Report 93, Max-Planck-Institut fuer Meteorologie.
- [Rutberg et al., 2000] **Rutberg, R., Hemming, S., and Goldstein, S.** (2000). Reduced North Atlantic Deep Water flux to the glacial southern ocean inferred from neodymium isotope ratios. *Nature*, 405:935–938.
- [Sadourny and Laval, 1984] **Sadourny, R. and Laval, K.** (1984). January and July performance of the LMD general circulation model. In *New Perspectives in Climate Modelling*, Amsterdam. Elsevier.
- [Saltzman, 1985] **Saltzman, B.** (1985). *Paleoclimate Modeling*. Paleoclimate Analysis and Modeling. A.D. Hecht (Ed.), John Wiley and Sons, Inc., New York.
- [Sellers et al., 1996a] **Sellers, P., Los, S., Tucker, C., Justice, C., Dazlich, D., Collatz, G., and Randall, D.** (1996a). A revised land surface parametrization (SiB2) for Atmospheric GCMs. Part II: The generation of global fields of terrestrial biophysical parameters from satellite data. *J. Clim.*, 9:706–737.
- [Sellers et al., 1996b] **Sellers, P., Randall, D., Collatz, G., Berry, J., Field, C., Dazlich, D., Zhang, C., Collelo, G., and Bounoua, L.** (1996b). A revised land surface parametrization (SiB2) for Atmospheric GCMs. Part I: Model Formulation. *J. Clim.*, 9:676–705.
- [Shackleton, 1987] **Shackleton, N.** (1987). Oxygen isotopes, ice volume and sea level. *Quat. Sci. Rev.*, 6:183–190.
- [Shukla and Mintz, 1982] **Shukla, J. and Mintz, Y.** (1982). Influence of land-surface evapotranspiration on the earth's climate. *Science*, 215:1498–1500.
- [Sitch et al., 2000] **Sitch, S., Prentice, I., Smith, B., and LPJ-consortium** (2000). LPJ - a coupled model of vegetation dynamics and the terrestrial carbon cycle. *Glob. Biogeochem. Cyc.*, submitted.
- [Stein and Alpert, 1993] **Stein, U. and Alpert, P.** (1993). Factor separation in numerical simulations. *J. Atm. Sci.*, 50:2107–2115.

- [Stocker et al., 1992] **Stocker, T., Wright, D., and Mysak, L.** (1992). A zonally averaged, coupled ocean-atmosphere model for paleoclimate studies. *J. Clim.*, 5:773–797.
- [Street and Grove, 1979] **Street, F. and Grove, A.** (1979). Global maps of lake-level fluctuations since 30,000 yr B.P. *Quat. Res.*, 12:83–118.
- [Street-Perrott et al., 1989] **Street-Perrott, F., Marchand, D., Roberts, N., and Harrison, S.** (1989). Global lake-level variations from 18 000 to 0 ago: a paleoclimatic analysis. Technical Report TR046, United States Department of Energy.
- [Street-Perrott and Perrott, 1993] **Street-Perrott, F. and Perrott, R.** (1993). *Holocene vegetation, lake levels and climate of Africa*. Global Climates since the Last Glacial Maximum. H.E. WrightJr, J.E. Kutzbach, T. WebbIII, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).
- [Stull, 1988] **Stull, R.** (1988). *An introduction to boundary layer meteorology*. Kluwer Academic Press.
- [Sud and Fennessy, 1982] **Sud, Y. and Fennessy, M.** (1982). A study of the influence of surface albedo on July circulation in semi-arid regions using the GLAS GCM. *J. Clim.*, 2:105–125.
- [Sud et al., 1988] **Sud, Y., Shukla, J., and Mintz, Y.** (1988). Influence of land-surface roughness on atmospheric circulation and precipitation: a sensitivity study with a General Circulation Model. *J. Appl. Met.*, 27:1036–1054.
- [Sud and Smith, 1985a] **Sud, Y. and Smith, W.** (1985a). Influence of local land-surface processes on the Indian monsoon: a numerical study. *J. Clim. Appl. Met.*, 24:1015–1036.
- [Sud and Smith, 1985b] **Sud, Y. and Smith, W.** (1985b). The influence of surface roughness of deserts on the July circulation. *Bound. Layer Meteorol.*, 33:15–49.
- [Tarasov et al., 1998] **Tarasov, P., WebbIII, T., Andreev, A., Afanaseva, N., Berezina, N., Bezusko, L., Blyakharchuk, T., Bolikhovskaya, N., Cheddadi, R., Chernavskaya, M., Chernova, G., Dorofeyuk, N., Dirksen, V., Elina, G., Filimonova, L., Glebov, F., Guiot, J., Gunova, V., Harrison, S., Jolly, D., Khomutova, V., Kvavadze, E., Osipova, I., Panova, N., Prentice, I., Saarse, L., Sevastyanov, D., Volkova, V., and Zernitskaya, V.** (1998). Present day and mid-Holocene biomes reconstructed from pollen and plant macrofossil data from the former Soviet Union and Mongolia. *J. Biogeogr.*, 25:1029–1053.
- [TEMPO-members, 1996] **TEMPO-members** (1996). Potential role of vegetation feedback in the climate sensitivity of high-latitude regions: a case study at 6000 years B.P. *Glob. Biogeochem. Cyc.*, 10(N4):727–736.

- [Texier et al., 2000] **Texier, D., de Noblet, N., and Braconnot, P.** (2000). Sensitivity of the African and Asian monsoons to mid-Holocene insolation and data-inferred surface changes. *J. Clim.*, 13:164–181.
- [Texier et al., 1997] **Texier, D., de Noblet, N., Harrison, S., Haxeltine, A., Jolly, D., Joussaume, S., Laarif, F., Prentice, I., and Tarasov, P.** (1997). Quantifying the role of biosphere-atmosphere feedbacks in climate change: coupled model simulations for 6000 years BP and comparison with paleodata for northern Eurasia and northern Africa. *Clim. Dyn.*, 13:865–882.
- [Trenberth, 1995] **Trenberth, K.** (1995). *Climate System Modeling*. Cambridge University Press, Cambridge (UK).
- [Wang and Eltahir, 2000] **Wang, G. and Eltahir, E.** (2000). Biosphere-atmosphere interactions over west Africa; 2. Multiple climate equilibria. *Quart. Journ. Roy. Met. Soc.*, 126(565):1261–1280.
- [WBGU, 1997] **WBGU** (1997). *Welt im Wandel: Wege zu einem nachhaltigen Umgang mit Süßwasser*. Jahresgutachten 1997. Springer-Verlag, Berlin (Germany).
- [WebbIII et al., 1993a] **WebbIII, T., Bartlein, P., Harrison, S., and Anderson, K.** (1993a). *Vegetation, lake levels and climate in Eastern North America for the past 18 000 years*. Global Climates since the Last Glacial Maximum. H.E. WrightJr, J.E. Kutzbach, T. WebbIII, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).
- [WebbIII et al., 1993b] **WebbIII, T., Bartlein, P., Harrison, S., and Anderson, K.** (1993b). *Vegetation, lake levels, and climate in eastern North America for the past 18,000 years*. Global Climates since the Last Glacial Maximum. H.E. WrightJr, J.E. Kutzbach, T. WebbIII, W.F. Ruddiman, F.A. Street-Perrot and P.J. Bartlein (Ed.).
- [Wieringa, 1993] **Wieringa, J.** (1993). Representative roughness parameters for homogeneous terrain. *Bound. Layer Meteorol.*, 63:323–363.
- [Xue and Shukla, 1993] **Xue, Y. and Shukla, J.** (1993). The influence of land surface properties on Sahel climate. Part I: Desertification. *J. Clim.*, 6:2232–2245.
- [Yu and Harrison, 1996] **Yu, G. and Harrison, S.** (1996). An evaluation of the simulated water balance of Eurasia and northern Africa at 6000 y BP using lake status data. *Clim. Dyn.*, 12:723–735.
- [Zeng and Neelin, 2000] **Zeng, N. and Neelin, J.** (2000). The role of vegetation-climate interaction and interannual variability in shaping the african savanna. *J. Clim.*, 13(15):2665–2670.
- [Zheng and Eltahir, 1997] **Zheng, X. and Eltahir, E.** (1997). The response to deforestation and desertification in a model of West African monsoons. *Geoph. Res. Let.*, 24(2):155–158.

[Zheng and Eltahir, 1998]**Zheng, X. and Eltahir, E.** (1998). The role of vegetation in the dynamics of west African monsoons. *J. Clim.*, 11:2078–2096.

