

References

- Abel, N.O.J. & Blaikie, P.M. 1989. *Land degradation, stocking rates and conservation policies in the communal rangelands of Botswana and Zimbabwe*. Land Degradation and Rehabilitation Vol. 1.
- Abrams, L. 1997. *Drought policy – water issues* (available at www.thewaterpage.org/).
- Adams, M., Sibanda, S. & Turner, S. 1999. *Land tenure reform and rural livelihoods in southern Africa*. Nat. Res. Persp. No. 39. London, ODI.
- Agricultural Research Council (ARC)–Institute for Soil, Climate and Water. 2004. *Overview of the status of the agricultural natural resources of South Africa*. First edition. Report to Department of Agriculture. Pretoria.
- American Friends Service Committee. 2003. *About Mozambique* (available at www.afsc.org/).
- Amin, N. 1989. *Peasant differentiation and food security in Zimbabwe: emerging contradictions*. Paper presented at the Farming Systems Research Symposium, Fayetteville, USA.
- Anderson, I.P., Brinn, P.J., Moyo, M. & Nyamwanza, B. 1993. *Physical resource inventory of the communal lands of Zimbabwe – an overview*. NRI Bulletin 60. Chatham, UK.
- Anon. 2003. *Lesotho Highlands Water Project* (available at www.lhwp.org.ls/).
- Arntzen, J.W. & Veenendaal, E.M. 1986. *A profile of environment and development in Botswana*. Gaborone, NIR.
- Association for Rural Advancement (AFRA). 1993. *Drought relief and rural communities*. Special Rep. No. 9. Pietermaritzburg, South Africa.
- Bang, K.O. & Stimie, C. 1999. Degradation of groundwater resources. In M.T. Hoffman, project coordinator. *A national review of land degradation in South Africa*. Pretoria, National Botanical Institute (available at www.nbi.ac.za/).
- Barnard, R.O., Van Der Merwe, A.J., De Villiers, M.C., Van Der Merwe, G.M.E. & Mulibana, N.E. 2000. Problem soils including degraded soils: extent, present use, management and rehabilitation. In *Proc. 2nd MADS–SEA–Network Meeting, 18–22 September*. Pretoria.
- Behnke, R.H. & Scoones, I. 1993. Rethinking range ecology: implications for rangeland management in Africa. In R.H. Behnke, I. Scoones & C. Kerven, eds. *Range ecology at disequilibrium*. London, ODI.
- Bekker, R.P. & De Wit, P.V. 1991. *Contribution to the vegetation classification of Botswana*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 34. Gaborone.
- Bell-Cross, G. & Minshull, J.L. 1988. *The fishes of Zimbabwe*. Harare, National Museum and Monuments of Zimbabwe.
- Bembridge, T.J. 1987. Aspects of cattle production in Transkei. *S. Afr. J. Anim. Sci.*, 17(2): 74–78.
- Bembridge, T.J. & Burger, P.J. 1977. Personal and socio-psychological factors related to efficiency of cattle ranchers. Research Report No. 2. *Rhod. Agric. J.*, 1–41.
- Benson, C. & Clay, E. 1998. *The impact of drought on sub-Saharan African economies: a preliminary examination*. World Bank Technical Paper No. 401.
- Benson, C., Thomson, A. & Clay, E. 1997. The macroeconomic impact of drought. In *Proc. High-level Regional Drought Policy Seminar, SADC, 1–19 November*. Gaborone.
- Bepura, C. 1999. Drought management: a SADC perspective. In *Proc. International Conference on Integrated Drought Management: Lessons for sub-Saharan Africa. 20–22 September*. Pretoria.
- Bernardi, M. & Madzudzo, S.J. 1990. *Crop yield estimates based on the Water Requirements Satisfaction Index*. Harare, MLARR, National Early Warning Unit for Food Security.
- Bhalotra, Y.P.R. 1987a. *The drought of 1981–87 in Botswana*. Gaborone, Dept. Met. Services.
- Bhalotra, Y.P.R. 1987b. *Climate of Botswana. Part II: elements of climate*. Gaborone, Dept. Met. Services.
- Bridges, E.M. 1990. *World geomorphology*. Cambridge, UK, Cambridge University Press.
- Bruce, J.W., Migot-Adholla, S.E. & Atherton, J. 1993. The findings and their policy implications: institutional adaptation on replacement. In J.W. Bruce & S.E. Migot-Adholla. *Searching for land tenure security in Africa*. Dubuque, USA, Kendall/Hunt.
- Buckland, R., Eele, G. & Mugwara, R. 2000. Humanitarian crises and natural disasters: a SADC

- perspective. In E. Clay & O. Stokke, eds. *Food aid and human security*. European Association of Development Research. London, Frank Cass Publishers.
- Bühmann, C., Beukes, D.J. & Turner, D.P.** 2001. *Soils from the former Lusikisiki District, Eastern Cape Province. 1. Clay mineral associations and their agricultural significance*. Internal report. Pretoria, ARC-ISCW.
- Bühmann, C., Rapp, I. & Laker, M.C.** 1996. Differences in mineral ratios between disaggregated and original clay fractions in some South African soils as affected by amendments. *Aust. J. Soil Res.*, 34: 909–923.
- Bühmann, C., Van Der Merwe, G.M.E. & Laker, M.C.** 1998. Aggregation: the soil texture approach. *Bull. Egypt. Geogr. Soc.*, 71: 113–135.
- Campbell, B.M., Bowler, M., Chanda, G. & Mokuku, C.** 1990. *Cattle stocking intensities and degradation in small-scale farming systems in Zimbabwe*. Paper presented at Int. Symposium Impact of Grazing in Savanna Ecosystems. Uppsala, Sweden.
- Central Intelligence Agency (CIA).** 2003. *World factbook: Zimbabwe* (available at www.cia.gov).
- Centre for Technical Research of Cotton (CICA).** 1948. *Soil map of Mozambique, scale 1:6 million*.
- Ceruti, P.O., Fey, M.V. & Pooley, J.** 2002. Soil nutrition deficiencies in an area of endemic osteoarthritis (Mseleni Joint Disease) and dwarfism in Maputoland, South Africa. Special report. Washington, DC, U.S. Geol. Surv.
- Commonwealth Bureau of Meteorology.** 2003. *Southern Oscillation Index* (available at www.bom.gov.au).
- Cousins, B., ed.** 1990. Institutional dynamics in communal grazing regimes in southern Africa. *Proceedings of a workshop held in Harare, Zimbabwe, December 1990*.
- Dahlberg, A.** 1994. *Contesting views and changing paradigms. The land degradation debate in southern Africa*. Uppsala, Sweden, Nordiska Afrikainstitutet.
- Danish International Development Agency (DANIDA).** 1990. *Pre-feasibility study on irrigation potential in communal areas of Zimbabwe*. A study by Halcrow, Zimbabwe. Harare.
- Data Research Africa.** 1995. *The composition and persistence of poverty in rural South Africa: An entitlements approach to poverty*. Johannesburg.
- De Leeuw, P.N. & Thorpe, W.** 1996. *Low-input cattle production systems in tropical Africa: an analysis of actual and potential cow-calf productivity*. All Africa Conference on Animal Agriculture. 1–4 April. Pretoria.
- De Ridder, N. & Wagenaar, K.T.** 1984. A comparison between the productivity of traditional livestock systems and ranching in eastern Botswana. In R.H. Behnke, I. Scoones & C. Kerven, eds. *Range ecology at disequilibrium: new models of natural variability and pastoral adaptation in African savannas*. London, ODI.
- De Wit, P.V. & Bekker, R.** 1990. *Explanatory note of the land system map of Botswana*. Gaborone, Soil Mapping and Advisory Services.
- De Wit, P.V. & Cavaliere-Parzanese, A.** 1990. *Soils and land suitability of the Motloutse area between Mmadinare and Bobonong*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 6. Gaborone.
- De Wit, P.V. & Moganane, B.G.** 1990. Land evaluation for irrigation – a case study: the Maunatlala area. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 20. Gaborone.
- De Wit, P.V. & Nachtergaele, F.O.** 1990. *Explanatory note on the soil map of the Republic of Botswana*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 30. Gaborone.
- Deane, D.N.** 1997. Climate, crops and cash: an investigation into the impacts of El Niño – Southern Oscillation (ENSO) forecasts on communal farmers in Zimbabwe. Williams College, Williamstown, USA. (thesis)
- Delgado, C.L.** 1997. *Africa's changing development strategies. A 2020 vision for food, agriculture and the environment*. Washington, DC, IFPRI.
- Dennett, M.D.** 1987. Variation in rainfall – the background to soil and water management in dryland regions. *Soil Use & Man.*, 3(2):47–57.
- Desanker, P.V. & Santos, L.** 2000. *Integrated analysis and sustainable development: a science plan for Mozambique*. Global Environmental Change Program for Africa. Clark Hall, University of Virginia, Department of Environmental Sciences, USA, and Maputo, FAEF, University of Eduardo Mondlane. (available at www.mozambique.gecp.virginia.edu).
- Department for International Development (DFID).** 1998. *Sustainable rural livelihoods: what contribution can we make?* by D. Carney, ed. Paper presented at the Department for International Development's Natural Resources Advisers' Conference, July 1998.

- Diriba, G., Getachew, L.A. & Cooke, N. 1995. *Mozambique: food security in a post-war economy. A rapid livelihood security assessment for Massingir District, Gaza Province, Mozambique.* Maputo, CARE International.
- Elwell, H.A. 1980. *Design of safe rotational systems.* Harare, Ministry of Lands, Agriculture and Rural Resettlement.
- Evans J. 1999. *Sustainability of forest plantations: the evidence.* London, DFID.
- Fairbanks, D.H.K., Thompson, M.W., Vink, D.E., Newby, T.S., Van Den Berg, H.M. & Everard, D.A. 2000. The South African Land-Cover Characteristics Database: a synopsis of the landscape. *S. A. J. Sci.*, 96.
- FAO. 1978. *Report on the Agro-ecological Zones Project.* Vol. 1. Methodology and Results for Africa. Rome.
- FAO. 1985. *Regional Soil Conservation Project for Africa, Phase 1.* Summary of country studies. Rome.
- FAO. 1986. *Strategies, approaches and systems in integrated watershed management.* FAO Conservation Guide No. 14. Rome.
- FAO. 1987. *Soil and water conservation in semi-arid areas,* prepared by N.W. Hudson. FAO Soils Bulletin No. 57. Rome.
- FAO. 1994. *Rainfall variability and drought in sub-Saharan Africa since 1960,* by R. Gomme & F. Petrassi. Agrometeorology Series Working paper No. 9, FAO, Rome.
- FAO. 1995a. *Irrigation in Africa in figures.* Water Report No. 7. Rome.
- FAO. 1995b. *Selecting tree species on the basis of community needs,* by K. Warner & D. Shallon. FAO Community Forestry Field Manual No. 5. Rome.
- FAO. 1996. *Agro-ecological zoning. Guidelines.* FAO Soils Bulletin No. 73. Rome.
- FAO. 1997. *Irrigation potential in Africa. A basin approach.* Land and Water Bulletin No. 4. Rome.
- FAO. 1998a. *Soil degradation: management and rehabilitation in South Africa,* by R.O. Barnard, A.J. Van Der Merwe & M.C. De Villiers. Paper prepared for FAO Expert Consultation on Network on Management of Degraded Soils in Southern and Eastern Africa. Harare.
- FAO. 1998b. *Emergency preparedness and response manual* (in 8 vols.). Draft. Rome.
- FAO. 1999a. *Legal bases for the management of forest resources as common property,* by J.W. Bruce. Community Forestry Note No. 14. Rome.
- FAO. 1999b. *Livelihood study in Massanyena District, Gaza Province, Mozambique.*
- FAO. 2003. *A perspective on water control in southern Africa – support to regional investment initiatives.* Land and Water Discussion Paper No. 1, Rome.
- FAO. AQUASTAT. *Database on on water and agriculture.* Online (<http://www.fao.org/ag/aquastat>)
- FAO. FAOSTAT. *Database on agricultural production.* Online (<http://apps.fao.org/>).
- FAO-ISRIC. 2003. *Soil and terrain database for southern Africa.* Land and Water Digital Media Series 25.
- FAO-ISSS-ISRIC. 1994. *World reference base for soil resources.* Draft. Wageningen, the Netherlands/Rome.
- FAO-ISSS-ISRIC. 1998. *World reference base for soil resources.* World Soil Resources Report No. 84. Rome.
- FAO-UNESCO. 1974a. *Soil map of the world.* Volume 1: Legend. Paris.
- FAO-UNESCO. 1974b. *Soil map of the world.* Volume 6: Africa. Paris.
- FAO-UNESCO-ISRIC. 1990. *Soil map of the world.* Revised legend. World Soil Resources Report No. 60. Rome.
- Fenyés, T.T. 1982. *A socio-economic analysis of small-holder agriculture in Lebowa.* University of Pretoria. (DSc Agric thesis)
- FEWS NET. 2001. *Development planning: some implications of the food economy baseline findings in the Limpopo River Basin complex* (available at www.fews.org).
- Folmer, E.C.R., Geurts, P.M.H. & Francisco, J.R. 1998. Assessment of soil fertility and depletion in Mozambique. *Agric. Ecosys. Env.*, 71.
- GLCCD. 1998. *Global land cover characteristics database.* Version 1.2. (Data available online)
- Golan, E. 1994. Land tenure reform in the peanut basin of Senegal. In J. Bruce & S.E. Migot-Adholla, ed. *Searching for land tenure security in Africa.* Dubuque, USA, Kendall/Hunt.
- Görgens, A.H.M. & Boroto, R.A. 1999. *Limpopo River: flow balance anomalies, surprises and implications for integrated water resources management.* South Africa, University of Stellenbosch and Ninham Shand Pty Ltd.
- Government of Botswana (GOB). 1990. *Botswana National Conservation Strategy. National Policy on Natural Resources Conservation and Development.* Govt. Paper No. 1. Gaborone.

- Government of Botswana (GOB).** 1991. *Botswana National Development Plan 7*. Gaborone, Government Printer.
- Government of Botswana (GOB).** 1992a. *Botswana National Water Plan Study*, by SMEC/KPB/SGAB. (certain sections available at www.fao.org).
- Government of Botswana (GOB).** 1992b. *1991 population and housing census* (available at www.cso.gov.bw).
- Government of Botswana (GOB).** 2001. *Botswana, contrasts and new experiences* (available at <http://www.geocities.com>).
- Government of Botswana (GOB).** 2002. *2001 population and housing census* (available at www.cso.gov.bw).
- Government of Botswana (GOB)–CSO.** 1996. *Living conditions in Botswana: 1986 to 1994. Socio-economic indicators based on the 1985/86 HIES. 1991 Census and 1993/94 HIES*. Gaborone.
- Government of Botswana (GOB)–CSO.** 1995. *Household income and expenditure survey: 1993/94* (available at www.cso.gov.bw).
- Government of Botswana – Ministry of Agriculture – Central Statistics Office (GOB–MOA–CSO).** 1995. *Botswana Agricultural Census 1993* (available at www.fao.org).
- Government of Botswana (GOB)–IFAD.** 1993. *Botswana: arable lands development project* (available at www.ifad.org).
- Government of Botswana – Ministry of Agriculture (GOB–MOA).** 1990. *Land systems map of Botswana*. Gaborone, Land Utilization Division.
- Government of Botswana – Ministry of Finance, Development and Planning (GOB–MFDP).** 1997. *National Development Plan 8: 1997/98 – 2002/3*. Gaborone. Berlin, Springer.
- Government of Botswana – Ministry of Mineral Resources and Water Affairs (GOB–MMRWA).** 1991. *Botswana national water plan study*. Volume 1, Summary. Prepared by SMEC/WLPU/SGAB. Gaborone.
- Government of Botswana – Ministry of Mineral Resources and Water Affairs (GOB–MMRWA).** 1992. *Botswana national water plan study*. Prepared by SMEC/KPB/SGAB. Gaborone.
- Government of Botswana (GOB)–UNDP.** 2000. *Botswana National Human Development Report 2000: towards an AIDS-free generation* (available at http://www.bw.undp.org/docs/undp_bhdp.pdf).
- Government of Botswana (GOB)–UNICEF.** 1993. *Household income and expenditure survey: 1993/94* (available at www.cso.gov.bw).
- Government of Mozambique (GOM).** 1991. *Lei de Aguas* (available at www.thewaterpage.com/leestemaker.htm).
- Government of Mozambique (GOM)–DAP.** 2002. *Emergency vulnerability report: November–December 2002* (available at www.odi.org.uk).
- Government of Mozambique – National Water Directorate (GOM–DNA).** 1986. *Present situation of water resources management in Mozambique (revised)*. UNESCO Project MOZ/81/001. Maputo.
- Government of Mozambique – National Water Directorate (GOM–DNA).** 1995. *National Water Policy*. National Directorate of Water (available at www.dna.mz).
- Government of Mozambique – National Water Directorate (GOM–DNA).** 1998. *Country situation report*. Maputo, Direcção Nacional de Águas.
- Government of Mozambique – National Water Directorate (GOM–DNA).** 1999. *Water resources of Mozambique: synopsis 1999*. Maputo, Direcção Nacional de Águas in cooperation with Instituto da Água.
- Government of Mozambique (GOM)–FAO.** 1998. *Draft report on socio-economic studies in selected districts in Gaza and Manica Provinces, Mozambique*. (unpublished)
- Government of Mozambique (GOM)–INE.** 1999a. *Il Recenseamento Geral da População e Habitacao 1997*.
- Government of Mozambique (GOM)–INE.** 1999b. *Inquérito Nacional aos Agregados Familiares Sobre as Condições de Vida. 1996–1997*.
- Government of Mozambique (GOM)–MAF.** 1997. *Livestock master plan component*. PROAGRI Sectoral Programme Investment. Ministry of Agriculture and Fisheries, National Directorate for Livestock.
- Government of Mozambique (GOM)–UNDP.** 1998. *Mozambique national human development report 1998*. Maputo, UNDP.
- Government of Mozambique (GOM)–UNDP.** 1999. *Growth, equity, poverty and human development* (available at www.undp.org.mz).
- Government of South Africa – Department of Agriculture (GOSA–DOA).** 2000. *LandCare South Africa* (available at www.nda.agric.za).
- Government of South Africa – Department of Agriculture (GOSA–DOA).** 2003a. *Draft agricultural disaster management plan*.
- Government of South Africa – Department of Agriculture (GOSA–DOA).** 2003b. *Drought management strategy*.

- Government of South Africa – Department of Environmental Affairs and Tourism (GOSA–DEAT). 2001. *Environmental potential atlas* (available on CD Enviro-Info 2001).
- Government of South Africa – Department of Water Affairs (GOSA–DWA). 1985. *Limpopo River Basin: present and potential development in the RSA*.
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 1991. *Joint Upper Limpopo Basin Study*. Pretoria, Ninham Shand /MacDonald & Partners.
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 1999a. *First-order strategy and reference system for water services in Northern Province*. Pretoria.
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 1999b. *First-order strategy and reference system for water services in North-West Province*. Pretoria.
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 1999c. *First-order strategy and reference system for water services in Mpumalanga Province*. Pretoria.
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003a. *Limpopo Water Management Area. Overview of water resources availability and utilization* (available at www.dwaf.gov.za).
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003b. *Olifants Water Management Area. Overview of water resources availability and utilization* (available at www.dwaf.gov.za).
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003c. *Crocodile (West) and Marico Water Management Area. Overview of water resources availability and utilization* (available at www.dwaf.gov.za).
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003d. *Levubu and Letaba Water Management Area. Overview of water resources availability and utilization* (available at www.dwaf.gov.za).
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003e. *Water affairs and forestry* (available at www.southAfrica-newyork.net).
- Government of South Africa – Department of Water Affairs and Forestry (GOSA–DWAF). 2003f. *Annual report 2002/2003* (available at www.dwaf.gov.za).
- Government of South Africa (GOSA)–FSA. 2003. *Introduction to forestry in South Africa* (available at www.forestry.co.za).
- Government of South Africa (GOSA)–Land Type Survey Staff. 1997. *Generalized soil patterns. 1: 2.5 million-scale map*. Pretoria, ARC–Institute for Soil, Climate and Water.
- Government of South Africa (GOSA)–MPACD. 1999. *White Paper on Disaster Management*. Govt. Gazette, Vol. 403. Pretoria.
- Government of South Africa (GOSA)–NPU. 2000. *The State of South Africa's Population Report 2000*. National Population Unit (available at www.gov.za).
- Government of South Africa (GOSA)–Soil Classification Working Group. 1991. *Soil classification. A taxonomic system for South Africa*. Mem. Ag. Nat. Resour. S. Afr. No. 15. Pretoria, ARC–Institute for Soil, Climate and Water.
- Government of South Africa – Statistics South Africa (GOSA–StatsSA). 1999a. *October 1996 household survey*. Pretoria, Statistics South Africa.
- Government of South Africa – Statistics South Africa (GOSA–StatsSA). 1999b. *1997 rural survey*. Pretoria, Statistics South Africa.
- Government of South Africa – Statistics South Africa (GOSA–StatsSA). 2001a. *Human development index*. Pretoria, Statistics South Africa. (available at www.statssa.gov.za).
- Government of South Africa – Statistics South Africa (GOSA–StatsSA). 2001b. *Census 2001: metadata*. Report 03-02-25 (2001) (available at www.statssa.gov.za).
- Government of South Africa – Statistics South Africa (GOSA–StatsSA). 2002. *Large and small-scale agriculture* (available at www.statssa.gov.za).
- Government of Zimbabwe (GOZ). 1997. *Zimbabwe National Water Authority Bill* (available at www.thewaterpage.com).
- Government of Zimbabwe (GOZ). 1998. *Water Act (Chapter 20:24)* (available at www.dundee.ac.uk).
- Government of Zimbabwe – Agriculture, Technical and Extension Service (GOZ–AGRITEX). 1990. *Irrigation Masvingo*. Harare.
- Government of Zimbabwe – Agriculture, Technical and Extension Service (GOZ–AGRITEX). 1999a. *Irrigation branch annual report*. Harare.
- Government of Zimbabwe – Agriculture, Technical and Extension Service (GOZ–AGRITEX). 1999b. *Matabeleland South Province*. Annual report. Harare.
- Government of Zimbabwe (GOZ)–DRSS. 1979. *Provisional soil map of Zimbabwe–Rhodesia (1:*

- 1 000 000). Harare, Dept. Research Specialist Services.
- Government of Zimbabwe (GOZ)–FC.** 1998. *Woody cover map of Zimbabwe*. Harare, Forest Commission.
- Government of Zimbabwe – Ministry of Rural Resources and Water Development – Department of Water Development (GOZ–MRRWD–DWD).** 1984. *An assessment of the surface water resources of Zimbabwe and guidelines for development planning*. Harare.
- Government of Zimbabwe – Ministry of Rural Resources and Water Development – Department of Water Development (GOZ–MRRWD–DWD).** 2000. *State of major dams in Zimbabwe as at 04/12/2000*. Harare.
- Government of Zimbabwe – National Economic Planning Commission (GOZ–NEPC).** 1999. *National policy on drought-triggered vulnerabilities and sustainable livelihoods: framework and guidelines for national policy and operational strategy for drought management leading to sustainable livelihood security*. Harare, National Economic Planning Commission.
- Government of Zimbabwe – Southern African Development Community – Food, Agriculture and Natural Resources Sector (GOZ–SADC–FANR).** 2003. *Zimbabwe emergency food security and vulnerability assessment – April 2003*. Zimbabwe National Vulnerability Assessment Committee. Report No. 3.
- Government of Zimbabwe (GOZ)–Surveyor General.** 1984. *Relief map of Zimbabwe at scale 1: 1 000 000*. Harare.
- Government of Zimbabwe (GOZ)–Surveyor General.** 1998. *Natural regions and provisional farming areas of Zimbabwe, scale 1:1 000 000*. Third edition. Harare.
- Government of Zimbabwe (GOZ)–UNDP.** 1998. *Human development report on poverty* (available at <http://hdr.undp.org>).
- Government of Zimbabwe (GOZ)–UNDP.** 1999. *National human development report* (available at <http://hdr.undp.org>).
- Government of Zimbabwe (GOZ)–Zimbabwe Meteorological Department (ZMD).** 2001. *Zimbabwe national rainfall deviation from mean 10-year running mean, 1900–2000* (available at <http://weather.utande.co.zw>).
- Grohs, F.** 1994. *Economics of soil degradation, erosion and conservation: a case study of Zimbabwe*. Kiel, Germany Wissenschaftsverlag Vauk.
- Hakkeling, R.T.A.** 1989. *Global assessment of soil degradation (GLASOD) – eastern and southern Africa*. Wageningen, the Netherlands, Stiboka.
- Hallward, J.R.** 1988. *An investigation of the areas of potential wind erosion in the Cape Province, RSA*. University of Cape Town. (M.Sc. thesis)
- Hedden-Dunkhorst, B.** 1993. *The contribution of sorghum and millet versus maize to food-security in semi-arid Zimbabwe*. Farming Systems and Resource Economics Vol. 15.
- Herbert, M.A.** 1993. *Site requirements of exotic hardwood species*. Inst. Comm. Forestry Research Bull. S. 2/93. Pietermaritzburg, South Africa, ICFR.
- Hoffman, T. & Todd, S.W.** 1999. A combined index of degradation. In M.T. Hoffman, project coordinator. *A national review of land degradation in South Africa*. Pretoria, National Botanical Institute (available at www.nbi.ac.za).
- Hulme, M., ed.** 1996. *Climatic change and southern Africa: an exploration of some potential impacts and implications in the SADC region*. Climatic Research Unit, University of East Anglia. Norwich, UK.
- Hulme, M. & Sheard, N.** 1999. *Climatic change scenarios for Zimbabwe*. WWF International/ Climatic Research Unit, University of East Anglia, Norwich, UK.
- Hunter, J. & Mabbs-Zeno, C.** 1986. African land tenure. *Agric. Admin.*, 23(2).
- International Fund for Agricultural Development (IFAD).** 1996. *Review of research findings applicable to the dry communal areas of Zimbabwe*. Report No. 0657-ZI rev.1 of South Eastern Dry Areas Project and Smallholder Dry Areas Resource Management Project, Africa II Division, Programme Management Department. Rome.
- International Fund for Agricultural Development (IFAD).** 2001. *Rural poverty report*. Rome.
- International Institute for Applied Systems Analysis (IIASA).** 1998. *Water resources systems modeling: an important piece in the population–development–environment puzzle* (available at www.iiasa.ac.at).
- International Soil Science Society (ISSS) Working Group RB.** 1998a. World reference base for soil resources: introduction, edited by J.A. Deckers, F.O. Nachtergaele & O.C. Spaargaren. ISSS, ISRIC and FAO. Leuven, Belgium, ACCO.
- International Soil Science Society (ISSS) Working Group RB.** 1998b. World reference base for soil resources: atlas, edited by E.M. Bridges, N.H.

- Batjes & F.O. Nachtergaele. ISSS, ISRIC and FAO. Leuven, Belgium, ACCO.
- International Soil Science Society – International Soil Reference and Information Centre (ISSS–ISRIC)–FAO.** 1998. *World reference base for soil resources*. World Soil Resources Reports No. 84. Rome.
- International Union for the Conservation of Nature (IUCN).** 1999. *Water demand management: towards developing effective strategies for southern Africa*, by M. Goldblatt, J. Ndamba, B. Van Der Merwe, F. Gomes, B. Haasbroek & J. Arntzen.
- Jovanovic, N.Z., Annandale, J.G., Pretorius J.J.B., Claassens, A.S., Lorentz, S.A. & Tanner, P.D.** 2001. *Irrigation with gypsiferous mine water: a case study in Botswana*. Joint Cong. Soil Sci. Soc. S. Afr., S. Afr. Soc. Crop Prod., S. Afr. Weed Sci. Soc., Univ. Pretoria, 16–18 January.
- Kassam, A.H., Van Velthuizen, H.T., Higgins, G.M., Christoforides, A., Voortman, R.L. & Spiers, B.** 1982. *Assessment of land resources for rainfed crop production in Mozambique*. Field Documents No. 32–37, FAO/UNDP Project MOZ/75/011, Land and Water Use Planning. Maputo.
- Kassier, W.E. & Groenewald, J.A.** 1990. The agricultural economy of South Africa. In C. Csaki, T.J. Dams, D. Metzger & J. Van Zyl, eds. *Agricultural restructuring in southern Africa*. Interconference Symposium of the International Association of Agricultural Economists. Windhoek.
- King, L.C.** 1976. Planation remnants upon high lands. *Z. Geomorph. N. F.*, 20: 133–148.
- King, M.K.** 1983. *Livestock and water needs in pastoral Africa in relation to water and forage*. ILCA Research Report No. 7. Addis Ababa
- Knutson, C., Hayes, M. & Phillips, T.** 1998. *How to reduce drought risk*. Lincoln, USA, National Drought Mitigation Centre.
- Köppen, W.** 1918. *Klassifikation der Klimate nach Temperatur, Niederschlag und Jahresverlauf*. Petermans Mitteilungen 64.
- Kruger, G.P.** 1973. *Konsepte, tegnieke en procedures vir die globale hulpbronopname-program (terrain)*. Report 784/154/73. Pretoria, ARC–Institute for Soil, Climate and Water.
- Kruger, G.P.** 1983. *Terrain morphology map of southern Africa*. Pretoria, ARC–Institute for Soil, Climate and Water.
- Laker, M.C.** 1994. *Degradation of arable and cultivated land in South Africa – present situation, causes, consequences and possible policies to combat it in future*. Report prepared for LAPC. Pretoria.
- Lévêque, C., Bruton, M.N. & Ssentongo, G.W.** 1988. *Biology and ecology of African freshwater fishes*. Bondy, France, ORSTOM.
- Lister, L.A.** 1987. *The erosion surfaces of Zimbabwe*. Zimbabwe Geological Survey Bulletin No. 90. Harare, Geological Survey Department
- Loveland, T.R., Reed, B.C., Brown, J.F., Ohlen, D.O., Zhu, Z., Yang, L. & Merchant, J.** 2000. Development of a global land cover characteristics database and IGBP DISCover from 1–km AVHRR data. *Int. J. Rem. Sens.*, 21(6–7): 1303–1330.
- Low, A.B. & Rebelo, T.G.** 1996. *Vegetation of South Africa, Lesotho and Swaziland*. Pretoria, DEAT.
- Lulandala, L.L.** 1991. *Agroforestry potentials for Mozambique*. UNDP/FAO/GOM Project MOZ/88/029. Maputo.
- MacDonald, M. and Partners.** 1990. *Sub-Saharan Africa hydrological assessment of SADCC countries. Country report: Mozambique*.
- Macucule, A. & Mangué, P.** 1980. *Necessidades de investigação em manejo comunitário de florestas e fauna bravia*. GCP/MMOZ/056/NET. Maputo.
- MacVicar, C.N., Loxton, R.F., Lambrechts, J.J.N., Le Roux, J., De Villiers, J.M., Vester, E., Merryweather, F.R., Van Rooyen, T.H. & Harmse, H.J. von M.** 1977. *Soil classification. A binomial system for South Africa*. Dept. Agric. Tech. Services. Pretoria.
- Mafoko, T.D.** 1990. *Soils and land suitability of the Lobatse area*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 15. Gaborone.
- Mainguet, M.** 1991. *Desertification: natural background and human mismanagement*. Berlin, Springer.
- Makombe, K.** 1993. *Sharing the land: wildlife, people and development in Africa*. IUCN–Rosa Environmental Issues Series No. 1. Harare, IUCN Publications.
- Manamela, N.** 1997. *Drought preparedness and management in Botswana*. SADC Drought Policy Seminar, 17–19 November. Gaborone.
- Manjate, A.** 1997. *Drought preparedness and management in Mozambique*. SADC Drought Policy Seminar, 17–19 November. Gaborone.
- Mashali, A.M.** 1997. *Land degradation with focus on salinization and its management in Africa*. Proceedings expert consultation on integrated soil management for sustainable agriculture and food security in southern and east Africa. 8–12 December. Harare.

- McCourt, S. & Armstrong, R.A. 2001. *The architecture and evolution of the northern Kaapvaal-Limpopo terrane, southern Africa* (available at www.cg.nrcan.gc.ca).
- Medicins Sans Frontiere (MSF)–CIS. 1998. *Special bulletin*. Brussels, Medicin Sans Frontiere.
- Mihajlovich, D. & Gomes, F. 1986. *Areas de Rega: Inventário e Possibilidades Futuras*. Comunicação No. 53. Série Terra e Água, Do Instituto Nacional de Investigação Agronómica. Maputo.
- MMSD Southern Africa Working Group. 2001. *Mining, minerals and sustainable development, southern Africa* (available at www.mining.wits.ac.za).
- Moganane, B.G. 1989. *Soils and land suitability of the Gaborone area*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 16. Gaborone.
- Moganane, B.G. 1990. *Soils of northern Central District*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 28. Gaborone.
- Moon, B.P. & Dardis, G.F., eds. 1988. *The geomorphology of southern Africa*. Cape Town, South Africa, Southern Books.
- Moyo, S. 1996. *The productivity of indigenous and exotic beef breeds and their crosses at Matopos, Zimbabwe*. University of Pretoria. (PhD Thesis)
- Murombedzi, J. 1992. *Towards an agenda for development of common property resource management institutions in Nyaminuami District's Campfire Programme*. CASS, UZ, Working Paper No. 2.
- Nabhan, H. 1997. *Land degradation and its impact on food security, with focus on fertility decline and its management*. Proceedings expert consultation on integrated soil management for sustainable agriculture and food security in southern and east Africa. 8–12 December. Harare.
- National Institute for Economic Research (INIA). 1995. *Legenda da carta nacional de solos*. Série Terra e água. Comunicação no. 73. Maputo, INIA–DTA.
- National Oceanic and Atmospheric Administration (NOAA). 1994. *Impacts of El Niño and benefits of El Niño prediction* (available at www.pmel.noaa.gov).
- Nell, J.P., Steenekamp, P.I., Potgieter, L.J.C., Booyens, H.B. & Matlaw, S.M. 2000. *Development of land quality indicators for monitoring the sustainability of land use in Mpumalanga Province*. Report No. GW/A/2000/33. Pretoria, ARC–Institute for Soil, Climate and Water.
- Newby, T. & Wessels, K.J., eds. 1997. Report on the extent of natural resource degradation in South Africa. ARC–ISCW Report GW/A/97/57. Pretoria.
- Nyamaphene, K. 1991. *Soils of Zimbabwe*. Harare, Nehanda Publ.
- Nzuma, J.K., Mugwira, L.M. & Mushambi, C.F. 2000. Soil degradation management and rehabilitation: an overview of problem and degraded soils in Zimbabwe, current and future rehabilitation programs. In *Proc. 2nd MADS–SEA–Network Meeting*, 18–22 September. Pretoria.
- Oldeman, L.R., Hakkeling, R.T.A. & Sombroek, W.G. 1990. *World map of the status of human-induced soil degradation*. Wageningen, the Netherlands, GLASOD, ISRIC–UNEP.
- Otsyina, R.M. & Walker, K.P. 1990. *Agroforestry development in Botswana*. Final Report. Gaborone, Ministry of Agriculture.
- Pacific Marine Environmental Laboratory. 2003. *Definitions of El Niño, La Niña, and ENSO* (available at www.pmel.noaa.gov).
- Pallett, J. 1997. *Sharing water in southern Africa*. Windhoek, Desert Research Foundation of Namibia.
- Partridge, T.C. & Maud, R.R. 1987. Geomorphic evolution of southern Africa since the Mesozoic. *S. Afr. J. Geol.*, 90(2): 179–208.
- Pinkney, T. & Kimuyu, P. 1994. Land tenure reforms in East Africa: good, bad or unimportant? *J. Afr. Econ.*, 3.
- Pooley, J., Fey, M.V. & Willis, J.P. 1997. *Soil chemical patterns possibly linked to Mseleni Joint Disease among rural inhabitants in northern KwaZulu–Natal, South Africa*. 4th Int. Symposium on Environmental Geochemistry, Vail, USA.
- Pretorius, C.J. & Smal, M.M. 1992. Notes on the macro-economic effects of the drought. *S. A. Res. Bank Q. Bull.*, 184: 31–38. Pretoria.
- PriceWaterhouseCoopers. 1999. *Preparation of a regional programme to support livestock disease control in the SADC region*. Vol. 1, Main Report.
- Radcliffe, D., Venema, J.H. & De Wit, P.V. 1990. *Soils of north eastern Botswana*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 17. Gaborone.
- Radcliffe, D.J., Tersteeg, J.L. & De Wit, P.V. 1992. *Map of land suitability for rainfed crop production. explanatory note and legend*. FAO/Republic of Botswana/ UNDP Land Resource Assessment for Agricultural Land Use Planning Project. Field Doc. 3. Gaborone.

- Reddy, S. J.** 1986. *Agro-climate of Mozambique as relevant to dry land agriculture*. Comunicação No. 47, Série Terra e Água. Maputo.
- Reddy, S.J.** 1985. *Suggested farming systems and associated risks over southern Mozambique*. Comunicação No. 24, Série Terra e Água, INIA. Maputo.
- Remmelzwaal, A.** 1988. *General soil legend of Botswana*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 11. Gaborone.
- Remmelzwaal, A.** 1989. *Soils and land suitability for arable farming of southeast Central District*. FAO/UNDP/GOB Soil Mapping and Advisory Services Project BOT/85/011. Field Doc. 7. Gaborone.
- Remmelzwaal, A.** 1998. *Report on technical assistance provided to the Institute of Soil, Climate and Water for the Development of a Land Resources Information System (SOTER)*. Consultants report. Wageningen, the Netherlands, ISRIC / Pretoria, GOSA–Land Type Staff.
- Remmelzwaal, A. & McDermott, M.D., eds.** 1997. *Towards sustainable production and land rehabilitation in Swaziland*. FAO/UNDP/GOS Improving Land Use on Swazi Nation Land Project SWA/95/002. Field Doc. 1. Mbabane.
- Rihoy, L.** 1998. *Natural resource tenure in Africa: policy brief*. Harare, IUCN.
- Ringrose, S. & Matheson, W.** 1986. Monitoring desertification in Botswana using Landsat MSS data: with consideration as to the nature of the infra-red paradox. In A.C. Millington, S.K. Mutiso, & J.A. Binns, eds. *African resources Vol. 1. Appraisal and monitoring*. University of Reading, UK, Department of Geography.
- Rook, J.** 1994. *The SADC regional early warning system: experiences, gains and some lessons learnt from the 1991–92 southern African drought. Usable science: food security, early warning and El Niño*. Proceedings of the Workshop on ENSO/FEWS, Budapest, October.
- Rosenberg, M.T.** 1999. *Climate classification* (available at <http://clem.msced.edu>).
- Roth, M. & Haase, D.** 1998. *Land tenure security and agricultural performance in southern Africa* (available at www.wisc.edu).
- Roth, M., Cochrane, J. & Kisamba-Mugerwa, W.** 1994. Tenure security, credit use and farm investment in the Rujumbura pilot land registration scheme, Uganda. In J. Bruce & S.E. Migot-Adholla, eds. *Searching for land tenure security in Africa*. Dubuque, USA, Kendall/Hunt.
- Saket, M.** 1994. *Report on the updating of the exploratory national forest inventory*. FAO/UNDP/MOZ/92/013. National Directorate of Forests and Wildlife/Ministry of Agriculture. Maputo.
- Sandford, S.** 1982. *Livestock in the communal areas of Zimbabwe*. Report to Ministry of Lands, Resettlement and Rural Development. Harare.
- Sansoucy, R.** 1995. Livestock – a driving force for food security and sustainable development. *World Animal Rev.*, 84/85: 5–17.
- Schokalsky, Z.J.** 1943. Soil map of Mozambique.
- Scholes, R.J., Smith, R.E., Van Wilgen, B.W., Berns, J., Evans, J., Everard, D., Forsyth, G.G., Scott, D.F., Van Tienhoven, M. & Viljoen, P.J.** 1995. *The costs and benefits of plantation forestry: case studies from Mpumalanga*. Pretoria, Div. Water, Environment and Forestry Technology, CSIR.
- Schulze, R.E.** 1997. *South African atlas of agro-hydrology*. Report TT82/96. Pretoria, Water Research Commission.
- Scoones, I.** 1989a. *Economic and ecological carrying capacity implications for livestock development in the dryland communal areas of Zimbabwe*. Pastoral Development Network Paper No. 27b. London, ODI.
- Scoones, I.** 1989b. *Patch use by cattle in dryland Zimbabwe: farmer knowledge and ecological theory*. Pastoral Development Network Paper No. 28b. London, ODI.
- Scoones, I.** 1992a. *Land degradation and livestock production in Zimbabwe's communal areas*. Land Degradation and Rehabilitation Vol. 3.
- Scoones, I.** 1992b. *Wetlands in drylands: key resources for agricultural and pastoral production in Africa*. Drylands Networks Programme, Paper No. 38. IIED.
- Scoones, I.** 1993. Why are there so many animals? Cattle population dynamics in the communal areas of Zimbabwe. In R.H. Behnke, I. Scoones & C. Kerven, eds. *Range ecology at disequilibrium*. London, ODI.
- Scotney, D.M.** 1995. *Natural resources in South Africa. The interrelationship soil erosion, sediment transport and the living environment*. Proc. Water Research Comm. Workshop. Pretoria.
- Selkhozpromexport.** 1983. *Esquema geral dos aproveitamentos hidráulicos e desenvolvimento agrícola do vale do Limpopo*.
- Shumba, E.M., Mushaka, A. & Muchichwa, J.** 1998. A survey of tree planting practices in the smallholder farming sector of Zimbabwe. *S. Afr. For. J.*, 182.

- Smit, J.A. 1983. *Verslag van studietoer na VSA in verband met winderosie*. Pretoria, Department of Agricultural Development.
- Snijders, F. 1986. *Land use inventory of Mozambique. Annexures*. INIA-DTA Communication No. 42.
- Sogreah. 1987. *Special project preparation facility for agricultural studies: Mozambique irrigation sub-sector study. Final report (Vol. I & II)*. Maputo, Secretaria de Estado de Hidraulica Agricola.
- Sogreah. 1993. *National irrigation development master plan: Umbeluzi, Incomati, Limpopo, Buzi and Pungoe basins. Final report (Vol. 1 & 2)*. Maputo, Secretaria de Estado de Hidraulica Agricola.
- Soil Survey Staff. 1975. *Soil taxonomy*. Handbook No. 436. Washington, DC, U.S. Dept. of Agric.
- Sola, L. 1993. *Strategies for combatting land degradation – Ntabazinduna communal land*. Splash 9, No. 1. Maseru.
- Southern African Commission for the Conservation and Utilization of the Soil (SARCCUS) Standing Committee for Soil Science. 1984. *A correlation of the systems used by the SARCCUS member-countries for the classification of their soils*. Pretoria, Department of Agriculture.
- Southern African Development Community (SADC). 1996a. *Short term consultancy in agroforestry diagnosis and design for some SADC countries*. Vol. 2 Botswana, 4 Mozambique, and 6 South Africa. Luanda, SADC Energy Sector TAU.
- Southern African Development Community (SADC). 1996b. *SADC regional forest fire management systems review*. Prepared by USDA Forest Service & Reid Collins Consultants. Lilongwe, SADC Forestry Technical Coordinating Unit.
- Southern African Development Community (SADC). 1998. *Regional strategic action plan for integrated water resources development and management in the SADC countries (1999–2000)*. Lilongwe, Water Sector Coordinating Unit.
- Southern African Development Community (SADC). 1999. *Regional drought management strategy for SADC*, by P. Ncube & M. Chisvo. Harare, SADC - Food Security Technical and Administrative Unit.
- Southern African Development Community (SADC). 2000. *Workshop proceedings, 12–14 July 1999*.
- Southern African Development Community (SADC). 2003. *The SADC Regional Food Security Programme* (available at www.sadc-fanr.org.zw).
- Southern African Development Community – Food, Agriculture and Natural Resources Sector (SADC-FANR). 2003. *Regional indicative strategic development plan* (available at www.transport.gov.za).
- Southern African Development Community – Food, Agriculture and Natural Resources Sector (SADC-FANR). 2003. *Famine Early Warning Systems Network* (Available at www.fews.net/).
- Southern African Development Community – International Union for the Conservation of Nature (SADC-IUCN)–ZRA– Southern African Research and Documentation Centre (SARDC). 2000. *State of the environment in the Zambezi basin*.
- Southern African Development Community (SADC)–UNDP. 1998. *SADC regional human development report 1998* (available at www.undp.org.zw).
- Southern African Development Community – Water Sector Coordinating Unit (SADC-WSCU). 1995. *Protocol on shared watercourses in the Southern African Development Community (SADC) Region*. Maseru, 16 May 1995 (available at <http://ocid.nacse.org>).
- Southern African Development Community – Water Sector Coordinating Unit (SADC-WSCU). 1998. *Regional strategic action plan* (available at www.thewaterpage.com).
- Southern African Development Community – Water Sector Coordinating Unit (SADC-WSCU). 2001. *SADC Shared Watercourse Systems Protocol. The Revised Protocol* (available at www.thewaterpage.com).
- Southern African Development Coordinating Conference (SADCC)–AIDAB. 1992. *Regional irrigation development strategy. Country report Botswana*. Harare.
- Southern African Regional Poverty Network (SARPN). 2004. *Country poverty analysis: Mozambique* (available at www.sarpn.org.za).
- Steffens, F.E. & Fletcher, L. 1995. *Evaluation of the results of the Tzaneen cloud seeding operation*. 12th Annual SASAS Conference, October 1995.
- Stern, R.D. & Coe, R. 1982. The use of rainfall models in agricultural planning. *Agric. Meteo.*, 26.
- Stern, R.D., Dennett, M.D. & Dale, I.C. 1982. Analysing daily rainfall measurements to give agronomically useful results. II. A modelling approach. *Exp. Agric.*, 18.
- Steyn, G.J. 1988. *A farming system study of two rural areas in the Pedie District of Ciskei*. University of Fort Hare, South Africa. (DSc Agric. thesis)

- Stocking, M. & Murnaghan, N.** 2000. Land degradation: guidelines for field assessment. In: *People, Land Management and Environmental Change (PLEC) Databases*. United Nations University.
- Tankard, A.J., Jackson, M.P.A., Eriksson, K.A., Hobday, D.R. & Minter, W.E.L.** 1982. Crustal evolution of southern Africa. Berlin, Springer.
- Tanner, C., Myers, G. & Oad, R.** 1993. *Land disputes and ecological degradation in an irrigation scheme: a case study of state farm divestiture in Chokwe, Mozambique*. LTC research paper No. 111. University of Wisconsin, USA, Land Tenure Center. 72 pp.
- Tapson, D.R.** 1982. *Proposal for a cattle marketing strategy for Transkei*. ARDRI Report 1/82. Alice, South Africa, University of Fort Hare.
- Tengberg, A. & Stocking, M.** 1997. *Erosion-induced loss in soil productivity and its impact on agricultural production and food security*. FAO/Agritex Expert Consultation, 8–12 December. Harare.
- Thompson, J.G. & Purves, W.D.** 1978. *A guide to the soils of Zimbabwe*. Zim. Journal Tech. Handbook No. 3.
- Thompson, M.W.** 1999. *South African national land-cover database project. Data users manual. Final report (Phases 1, 2 and 3)*. Pretoria, CSIR.
- Timberlake, J.** 1980. *Vegetation map of south east Botswana*. Gaborone, MOA.
- Timberlake, J., Jordão, C. & Serno, G.** 1986. *Pasture and soil survey of Chokwé*. FAO/UNDP Project MOZ/81/015 'Natural Resources Survey and Land Evaluation', Instituto Nacional de Investigação Agronómica, Departamento de Terra e Água, Comunicação No. 50. Maputo.
- Tique, C.A.** 2000. *Rehabilitation of degraded lands and biodiversity in arid and semi-arid regions of Mozambique, Zambia, and Zimbabwe: Chicualacuala District, Gaza Province, Mozambique*. GEF-PDF-B, UNEP/MICOA.
- Turner, D.P. & Rust, M.E.** 1996. An overview of soil classification, soil maps, inventories and soil databases in South Africa. In N.H. Batjes, J.H. Kauffman & O.C. Spaargaren, eds. *Proceedings, workshop on National Soil Reference Collections and Databases (NASREC)*, pp. 157–163. Wageningen, the Netherlands, ISRIC.
- U.S. Census Bureau.** 2001. *HIV/AIDS country profiles* (available at www.hivaidssearch.com).
- Unganai, L.S., ed.** 1998. Seasonal climate forecasts for farm management in Zimbabwe. *Proceedings of the training programme on interpretation and use of seasonal climate forecasts for agricultural extension workers in Zimbabwe, 18 November – 5 December 1998*. Zimbabwe Department of Meteorological Services, Harare.
- United Nations (UN).** 2002. *UNDAF II 2002–2006* (available at www.unsystemmoz.org/).
- UNAIDS–WHO.** 2000. *AIDS epidemic update: December 2000* (available at www.unaids.org).
- United Nations Conference on Trade and Development (UNCTAD).** 2003. *Mining, environment and development* (available at <http://www.natural-resources.org>).
- United Nations Convention to Combat Desertification (UNCCD).** 2003. *Status of ratification and entry into force of the UNCCD* (available at www.unccd.int).
- United Nations – Integrated Regional Information Networks (UN–IRIN).** 2003. *Zimbabwe: agriculture badly affected by HIV/AIDS* (available at www.plusnews.org).
- United Nations Development Programme (UNDP).** 2003. *Human development reports* (available at <http://hdr.undp.org>).
- United Nations Educational, Scientific and Cultural Organization – United Nations Development Programme (UNESCO–UNDP).** 1984. *Present situation of water resources in Mozambique*. Project UNDP–UNESCO MOZ/81/001.
- United Nations Environment Programme (UNEP).** 1999. *GEO-2000 global environmental outlook*. Nairobi.
- United Nations Environment Programme (UNEP).** 2002. *Vital climate graphics Africa* (available at www.grida.no).
- University Corporation For Atmospheric Research.** 2001. *El Niño and climate prediction* (available at www.agu.org).
- United Nations Special Office (UNSO).** 1999. *International workshop on coping with drought: best use of climate information for farmer decision making*. Kadoma Ranch, Zimbabwe, 4–6 October.
- United States Agency for International Development (USAID).** 2003. *Mozambique* (available at www.usaid.gov).
- Valentine, T.R.** 1993. Drought, transfer entitlements and income distribution: the Botswana experience. *World Dev.*, 21(1): 109–126.
- Van Der Merwe, A.J., De Viliers, M.C., Barnard, R.O., Beukes, D.J., Laker, M.C. & Berry, W.A.J.** 2000. *Technical report on guidelines on the management and rehabilitation of acid and fertility declined soils in South Africa*. Proc.

- 2nd MADS-SEA-Network Meeting, 18–22 September. Pretoria.
- Van Zyl, A.** 1997. Degradation of soil resources. *In: The extent of natural resource degradation in South Africa*. ARC-ISCW Report GW/A/97/57. Pretoria.
- Venema, J.H.** 1999. *Zimbabwe provisional agro-ecological zones, scale 1:1 000 000*. Consultants report for FAO Sub Regional Office for Southern and Eastern Africa. Harare.
- Vogel, C., Laing, M. & Monnik, K.** 1999. Impacts of drought in South Africa 1980–94. *In: Hazards and disasters: a series of definitive major works*. Oxford, UK, Routledge Publishers.
- Voortman, R.L. & Spiers, B.** 1981. *Assessment of land resources for rainfed crop production in Mozambique*. INIA-DTA-FAO/MOZ/75/011. Field Document No. 45.
- Voortman, R.L. & Spiers, B.** 1984. *Soil resources of Mozambique*. INIA-DTA Comunicacao No. 21.
- Weare, R.P. & Yalala, A.** 1971. *Provisional vegetation map of Botswana*. Gaborone, Government Printer.
- Wessels, K.J., Van Den Berg, H.M., Van Der Merwe, J.P.A., Smith, H.J., Van Zyl, A.J. & Twyman, L.** 2001. *Mapping and monitoring the conservation status of the natural resources of Mpumalanga Province by means of remote sensing and GIS technology*. ISCW Report No. GW/A/2001/9. Pretoria, ARC-Institute for Soil, Climate and Water.
- Whiteford, A. & Van Seventer, D.E.** 1999. *Winners and losers. South Africa's changing income distribution in the 1990s*. Pretoria, WEFA. 47 pp.
- Whitlow, J.R.** 1988. *Land degradation in Zimbabwe – a geographical survey*. Harare.
- Wilhite, D.A.** 1999. *Drought preparedness in Sub-Saharan Africa context*. Proc. Int. Conf. on Integrated Drought Management – Lessons for sub Saharan Africa, 20–22 September. Pretoria.
- Wilhite, D.A. & Glantz, M.H.** 1985. Understanding the drought phenomenon: the role of definitions. *Wat. Int.*, 10: 111–120.
- World Bank.** 1990. *Operational Directive 4.30: Involuntary Resettlement*. Washington, DC.
- World Resources Institute.** 2003. *Watersheds of Africa: A06, Limpopo* (available at www.earthtrends.wri.org).

FAO TECHNICAL PAPERS

FAO LAND AND WATER DISCUSSION PAPERS

1. A perspective on water control in southern Africa – support to regional investment initiatives, 2003 (E)
2. On-farm composting methods, 2003 (E)
3. Payment schemes for environmental services in watersheds / Sistemas de pago por servicios ambientales en cuencas hidrográficas, 2004 (E/S)
4. Drought impact mitigation and prevention in the Limpopo River Basin – a situation analysis, 2004 (E)

Availability: December 2004

<i>Ar</i>	–	<i>Arabic</i>		<i>Multil</i>	+	<i>Multilingual</i>
<i>C</i>	–	<i>Chinese</i>		*		<i>Out of print</i>
<i>E</i>	–	<i>English</i>		**		<i>In preparation</i>
<i>F</i>	–	<i>French</i>				
<i>P</i>	–	<i>Portuguese</i>				
<i>S</i>	–	<i>Spanish</i>				

The FAO Technical Papers are available through the authorized FAO Sales Agents or directly from Sales and Marketing Group, FAO, Viale delle Terme di Caracalla, 00100 Rome, Italy.