

## **Global Chapter 4 References**

- Adams, R.M., B.A. McCarl, K. Seerson, C. Rosenzweig, K.J. Bryant, B.L. Dixon et al. 1999. The economic effects of climate change on U.S. agriculture. Chap. 2 *In* R. Mendelsohn and J. Neumann (ed) Impacts of climate change on the US economy. Cambridge Univ. Press, UK.
- African Union. 2003. Second Summit. Mozambique.
- AIDE (Advice Res. Dev. Environ.). 2005. Factsheet for soy production in South America. AIDE, Amsterdam.
- Alcamo, J., D. Van Vuuren, W. Cramer, J. Alder, E. Bennett, S. Carpenter et al. 2005. Changes in ecosystem services and their drivers across the scenarios. p. 297-373 *In* S.R. Carpenter et al. (ed) Ecosystems and human well-being. Vol. 2. Scenarios. Millennium Ecosystem Assessment, Island Press, Washington DC.
- Alemayehu, M. 2000. Industrializing Africa: Development options and challenges for the 21st century. Africa World Press, Asmara.
- Antle, J.M., and S.M Capalbo. 2002. Agriculture as a managed ecosystem: Policy implications. *J. Agric. Resource Econ.* 27(1):1-15.
- Badgley, C., J. Moghtader, E. Quintero, E. Zakem, J. Chappell, K. Avilés-Vázquez et al. 2007. Organic agriculture and the global food supply. *Renew. Agric. Food Syst.* 22:86-108.
- Bardhan, P. 1999. Democracy and development – A complex relationship. *In* I. Shapiro and C. Hacker-Cordon (ed) Democracy's values. Cambridge Univ. Press, UK.
- Beierle, T., and E. Diaz-Bonilla. 2003. The impact of agricultural trade liberalization on the rural poor: An overview. Workshop on agricultural trade liberalization and the poor. 3-4 Nov. RFF/IFPRI, Washington DC.
- Bennett, E. M., S. R. Carpenter, and N. Caraco. 2001. Human impact on erodable phosphorus and eutrophication: A global perspective. *BioScience* 51:227-234.
- Bhalla, G.S., P. Hazell, and J. Kerr. 1999. Prospects for India's cereal supply and demand to 2020. 2020 Vision Disc. Pap. 29. IFPRI, Washington DC.
- Binh, T.N.. 2004. FDI for agriculture 1988 – 2003 and orientations to 2010. Available at <http://www.isgmard.org.vn/Information%20Service/Report/General/FDI%20in%20Agri-E.pdf>. Min. Agric. Rural Dev., Hanoi.
- Blum W.E.H. (2001): Using the soil DPSIR framework – driving forces, pressures, state, impacts, and responses – for evaluating land degradation. p. 4–5. *In* E.M. Bridges et al. (eds) Response to land degradation. Oxford and IBH, New Delhi.
- Borron, S. 2006. Building resilience for an unpredictable future: how organic agriculture can help farmers adapt to climate change. Available at <ftp://ftp.fao.org/docrep/fao/009/ah617e/ah617e.pdf>. FAO, Rome.

- Bouwman A.F., K.W. Van Der Hoek, B. Eickhout, and I. Soenario. 2005. Exploring changes in world ruminant production systems. *Agric. Syst.* 84:121-153.
- Bozbas, K. 2005. Biodiesel as an alternative motor fuel: Production and policies in the European Union. *Renew. Sustain. Energy Rev.* 9 (4).
- Brown, L.R. 1995. Who will feed China? Wake-up call for a small planet. *Worldwatch Environ. Alert Ser.* W.W. Norton, NY.
- Brown, L., and H. Kane. 1994. Full house: Reassessing the Earth's population carrying capacity. Norton, NY.
- Bruinsma, J.E. (ed) 2003. World agriculture: Towards 2015/2030. An FAO perspective. Earthscan, London.
- Busch, G. 2006. Future European agricultural landscapes—What can we learn from existing quantitative land use scenario studies? *Agric. Ecosyst. Environ.* 114:121–140.
- CA (Comprehensive Assessment of Water Management in Agriculture). 2007. Water for food, water for life: A comprehensive assessment of water management in agriculture. Earthscan, London.
- Caballero, B. 2001. Symposium: Obesity in developing countries: Biological and ecological factors. *J. Nutr.* 131(3):866.
- Cáceres, D. 2005. Non-certified organic agriculture: An opportunity for resource-poor farmers? *Outlook Agric.* 34(3):135-140.
- Cassman, K.G., A. Dobermann, D.T. Walters, and H. Yang. 2003. Meeting cereal demand while protecting natural resources and improving environmental quality. *Ann. Rev. Environ. Resour.* 28:315-328,
- Cassman, K.G., S. Wood, P.S. Choo, H.D. Cooper, C. Devendra, J. Dixon et al. 2005. Cultivated systems. p. 745-794. Chapter 26. In R. Hassan et al. (ed) *Ecosystems and human well-being: Current state and trends. Vol. 1. Conditions and trends*. Millennium Ecosystem Assessment, Island Press, Washington DC.
- CGIAR. 2004. The CGIAR initiative for a global open agriculture and food university (GO-FAU). Available at <http://www.openaguniversity.cgiar.org>. CGIAR, Washington DC.
- Cleveland, C.J, C.A.S. Hall, R.A. Herendeen. 2006. Letters - energy returns on ethanol production. *Science* 312:1746.
- CA 2007. Comprehensive assessment of water management in agriculture, water for food, water for life. Earthscan, London and IWMI, Colombo.
- CONCAWE. 2002. Energy and greenhouse gas balance of biofuels for Europe – an update. Available at [www.concawe.be/download/reports/rpt\\_02-2.pdf](http://www.concawe.be/download/reports/rpt_02-2.pdf). CONCAWE ad-hoc group on alternative fuels, Brussels, April 2002.
- Cranfield, J.A.L., T.W. Hertel, J.S. Eales, and P. Preckel. 1998. Changes in the structure of global food demand. *Am. J. Agric. Econ.* 80(5):1042-1050.

- Crosson P. 1994. Is U.S. agriculture sustainable? *Resources* 117:16-19.
- Curran, L.M., S.N. Trigg, A.K. McDonald, D. Astiani, M. Hardiono, P. Siregar et al. 2004. Lowland forest loss in protected areas of Indonesian Borneo. *Science* 303:1000-1003.
- Daberkow, S., H. Taylor, and W. Huang. 2000. Agricultural resources and environmental indicators: Nutrient use and management. USDA, Washington DC.
- De Fraiture, C., X. Cai, U. Amarasinghe, M. Rosegrant, and D. Molden. 2004. Does international cereal trade save water? The impact of virtual water trade on global water use. *In Comprehensive Assessment Res. Rep.*, IWMI, Sri Lanka.
- De Fraiture, C., D. Wigelns, E.K. Benedict, and J. Rockstrom. 2007. Scenarios on water for food and environment. Chapter 3 In Water for food, water for life: A comprehensive assessment of water management in agriculture. Earthscan, London and IWMI, Colombo.
- Delgado C., Rosegrant M., Steinfeld H., Ehui S. and Courbois C. (1999) Livestock to 2020 – the next food revolution. Food Agric. Environ. Disc. Pap. 28 IFPRI, FAO and ILRI, Rome.
- Dev, S. Mahendra. 1988. Regional disparities in agricultural labour productivity and rural poverty in India. *Indian Econ. Rev.* 23:(2)167-205.
- Dorward, A., S. Fan, J. Kydd, H. Lofgren, J. Morrison, C. Poulton et al. 2004. Institutions and policies for pro-poor agricultural growth. *Dev. Policy Rev.* 22:611-622.
- Droogers, P. 2004. Adaptation to climate change to enhance food security and preserve environmental quality: Example for Southern Sri Lanka. *Agric. Water Manage.* 66:15-33.
- Droogers, P., and J. Aerts. 2005. Adaptation strategies to climate change and climate variability: a comparative study between seven contrasting river basins. *Physics Chem. Earth* 30:339-346.
- Easterling, W.E., and M. Apps. 2005. Assessing the consequences of climate change for food and forest resources: A view from the IPCC. *Climat. Change* 70:165-189.
- Echeverria, C., D. Coomes, J. Salas, J.M. Rey-Benayas, A. Lara, and A. Newton. 2006. Rapid deforestation and fragmentation of Chilean temperate forests. *Biol. Conserv.* 130:481-494.
- EPA. 2006. Global mitigation of non-CO<sub>2</sub> greenhouse gases. EPA Rep. 430-R-06-005. US Environ. Prot. Agency, Washington DC.
- EEA (European Environment Agency). 2002. Scenarios as a tool for international environmental assessments. *Environ. Issue Rep.* No. 24. EEA, Copenhagen.
- Falcon, W.P., C. Fowler. 2002. Carving up the commons — emergence of a new international regime for germplasm development and transfer. *Food Policy* 27:197-222.
- Falkenmark, M., C.M. Finlayson, L.J. Gordon, E.M. Bennett, T. Matiza Chiuta, D. Coates et al. 2007. Agriculture, water and ecosystems: Avoiding the costs of going too far. p. 233-277 *In* comprehensive assessment of water management in agriculture, water for food, water for life: Earthscan, London and IWMI, Colombo.

- Fan, S., and N. Rao. 2003. Public spending in developing countries – Trends, determination and impact. Environ. Prod. Tech. Div. Disc. Pap. 99. IFPRI, Washington DC.
- FAO. 1996. Food for consumers - marketing, processing and distribution. FAO, Rome.
- FAO. 2002a. HIV/AIDS, agriculture and food security in mainland and small countries of Africa. Proc. Twenty-First Reg. Conf. Africa, Cairo. FAO, Rome.
- FAO. 2002b. The role of agriculture in the development of least developed countries and their integration into the world economy. Available at <http://www.fao.org/DOCREP/007/Y3997E/Y3997E00.htm>. FAO, Rome.
- FAO. 2003. Compendium of agricultural-environmental indicators. Statistics Div., FAO, Rome.
- FAO. 2004a. Fertilizer requirements in 2015 and 2030 revisited. FAO, Rome.
- FAO. 2004b. State of agricultural commodity markets 2004. Available at <ftp://ftp.fao.org/docrep/fao/007/y5419e/yy5419e00.pdf>, 7. FAO, Rome.
- FAO. 2006a. Education for rural people (ERP). Available at [http://www.fao.org/sd/erp/index\\_en.htm](http://www.fao.org/sd/erp/index_en.htm). FAO, Rome.
- FAO. 2006b. World agriculture: Towards 2030/2050. Prospects for food, nutrition, agriculture and major commodity groups, Interim Rep. Global Perspect. Studies Unit, FAO, Rome.
- FAO. 2006c. FAOSTAT. Available at [www.fao.org](http://www.fao.org).
- FAO. 2006d. Livestock's long shadow. FAO, Rome.
- FAO. 2006e. [www.fao.org/worldfoodsummit/english/fsheets/biotech.pdf](http://www.fao.org/worldfoodsummit/english/fsheets/biotech.pdf)
- FAO. 2006f. Presenting the international bioenergy platform. FAO, Rome.
- Farrell, A.E., R.J. Plevin, B.T. Turner, A.D. Jones, M. O'Hare, and D.M. Kammen. 2006. Ethanol can contribute to energy and environmental goals. *Science* 311(5760):506-508.
- Faurès, J.M., M. Svendsen, and H. Turrall. 2007. Reinventing irrigation. In D. Molden (ed) Water for food, water for life: A comprehensive assessment of water management in agriculture. Earthscan, London and IWMI, Colombo.
- FBOMS. 2006. Impacts of monoculture expansion on bioenergy production in Brazil. Brazilian Forum of NGOs and Social Movements for the Environment and Development, Nucleo Amigos da Terra/ Brasil and Heinrich Boell Foundation, Rio de Janeiro.
- Fearnside, P.M. 2001. Soybean cultivation as a threat to the environment in Brazil. *Environ. Conserv.* 28(01):23-38.
- Fischer, G., M. Shah, H. van Velthuizen, and F. Nachtergaele. 2001. Global agro-ecological assessment for agriculture in the 21st century. IIASA, Laxenburg, Austria.
- FOE. 2005. The oil for ape scandal. How palm oil is threatening orang-utan survival. Friends of the Earth, London.
- Fukuyama, F. 1993. The end of history and the last man. Free Press, NY.
- Galloway, J.N., E.B. Cowling, S.J. Seitzinger, and R. Socolow. 2002. Reactive nitrogen: Too much of a good thing? *Ambio* 31:60–63.

- Gardner, B.L. 2005. Causes of rural economic development. *Agric. Econ.* 32(s1):21-41.
- Geist, H.J., and E.F. Lambin. 2002. Proximate causes and underlying driving forces of tropical deforestation. *BioScience* 52(2):143-150.
- Geist, H.J., and E.F. Lambin. 2004. Dynamic causal patterns of desertification. *BioScience* 54(9):817-829.
- Giampietro, M. 2002. Energy use in agriculture. In *Encyclopedia of life sciences*. Available at <http://www.els.net/>. Nature Publ.
- Giampietro, M. 2003. Multi-scale integrated analysis of ecosystems. CRC Press, Boca Raton.
- Giampietro, M. 2007 The future of agriculture: GMOs and the agonizing paradigm of industrial agriculture. *In* A. Guimaraes Pereira and S. Funtowicz (ed) *Science for policy: Challenges and opportunities*. Oxford Univ. Press, New Delhi.
- Goldstone, J.H., R.H. Bates, T.R. Gurr, M. Lustig, M.G. Marshall, J. Ulfelder et al. 2005. A global forecasting model of political instability. *Ann. Meeting Am. Political Sci. Assoc.* Washington, 1-4 Sept.
- Graham, R.L., R. Nelson, J. Sheehan, R.D. Perlack and L.L. Wright. 2007. Current and potential U.S. corn stover supplies. *Agron. J.* 99:1-11.
- Grau, H.R., N.I. Gasparri, and T.M. Aide. 2005. Agriculture expansion and deforestation in seasonally dry forests of north-west Argentina. *Environ. Conserv.* 2(2):140-148.
- Groenfeldt, D. 2003. The future of indigenous values: Cultural relativism in the face of economic development. *Futures* 35:917-929.
- Gulati, A., and S. Narayanan. 2002. Rice trade liberalization and poverty. MSSD Disc. Pap. 51. IFPRI, Washington DC.
- Hagens N., R. Costanza, and K. Mulder. 2006 Letters - energy returns on ethanol production. *Science* 312:1746.
- Hayami, Y., and V. Ruttan. 1985. Agricultural development. An international perspective. John Hopkins Univ. Press, Baltimore.
- Hertel, T.W., and L.A. Winters. 2005. Estimating the poverty impacts of a prospective Doha development agenda. *The World Econ.* 28(8):1057-1071.
- Hertel, T., H-L. Lee, S. Rose and B. Sohngen. 2006. The role of global land use in determining greenhouse gases mitigation costs. GTAP Working Pap. 36 . Global Trade and Analysis Project, Purdue Univ., West Lafayette.
- Hietel, E., Waldhardt, R., Otte, A., 2005. Linking socio-economic factors, environment and land cover in the German highlands, 1945–1999. *J. Environ. Manage.* 75:133-143.
- Hill, J., E. Nelson, D. Tilman, S. Polasky, and D. Tiffany. 2006. From the cover: Environmental, economic, and energetic costs and benefits of biodiesel and ethanol biofuels. *PNAS* 103:11206-11210.
- Hinrichsen, D. 1998. Feeding a future world. *People Planet* 7(1):6-9.

- Hoekstra, A.Y., and P.Q. Hung. 2005. Globalisation of water resources: International virtual water flows in relation to crop trade. *Global Environ. Change* 15(1):45-56.
- Hoogwijk, M., A. Faaij, B. Eickhout, B. de Vries, and W. Turkenburg. 2005. Potential of biomass energy out to 2100, for four IPCC SRES land-use scenarios. *Biomass Bioenergy* 29:225–257.
- Hough, J.R. 1993. Educational cost-benefit analysis. *Educ. Res. Pap.* 2. ODA, UK.
- Huffman, W., and R. Evenson. 1993. Science for agriculture. Iowa State Univ. Press, Ames.
- Huntington, S. 1996. The clash of civilizations and the remaking of world order. Touchstone, NY.
- IEA. 2002. World energy outlook 2002. International Energy Agency, Paris.
- IEA. 2004. World energy outlook 2004. International Energy Agency, Paris.
- IEA. 2006. World energy outlook 2006. International Energy Agency, Paris.
- IFA. 2006. Fertilizer consumption statistics. Int. Fert. Indust. Assoc., Paris.
- IIASA. 2001. <http://www.iiasa.ac.at/Research/POP/proj01/index.htm>. Int. Inst. Applied System Analysis, Austria.
- ILO. 2005. World employment report 2004-05. Available at <http://www.ilo.org/public/english/employment/strat/wer2004.htm>. ILO, Geneva.
- Inglehart, R., and C. Welzel. 2005. Modernization, cultural change and democracy: The human development sequence. Cambridge Univ. Press, UK.
- IPCC (Intergovernmental Panel on Climate Change). 2000. Special report on emission scenarios: Understanding and modeling technological change. IPCC and Oxford Univ. Press, UK.
- IPCC (Intergovernmental Panel on Climate Change). 2001. Climate change 2001: Synthesis report. Cambridge Univ. Press, UK.
- IPCC (Intergovernmental Panel on Climate Change). 2007a. Climate change 2007: The physical science basis: Summary for policy makers. Working group 1 Fourth Assessment Report. Cambridge Univ. Press, UK.
- IPCC (Intergovernmental Panel on Climate Change). 2007b. Climate change 2007: Impacts, adaptation and vulnerability. Working group 2 Fourth Assessment Report. Cambridge Univ. Press, UK.
- IPCC (Intergovernmental Panel on Climate Change). 2007c. Climate change 2007: Mitigation of climate change. Working group 3 Fourth Assessment Report. Cambridge Univ. Press, UK.
- Jones, P.G., and P.K. Thornton. 2003. The potential impacts of climate change in tropical agriculture: the case of maize in Africa and Latin America in 2055. *Global Environ. Change* 13:51-59.
- Kaimowitz, D., and J. Smith. 2001. Soybean technology and the loss of natural vegetation in Brazil and Bolivia. p. 195-211. In A. Angelsen and D. Kaimowitz (ed) Agricultural technologies and tropical deforestation. CABI Publ. UK.
- Kaufmann, R.K. 2006. Letters - Energy returns on ethanol production. *Science* 312:1747.

- Kaufmann, D., A. Kraay, and M. Mastruzzi. 2006. Governance matters: Governance indicators for 1996-2005. Policy Res. Dep. Working Pap. 4012. World Bank, Washington DC.
- Kelly, V.A. 2006. Factors affecting demand for fertilizer in Sub-Saharan Africa. ARD Disc. Pap. 23. World Bank, Washington DC.
- Kemp-Benedict, E., C. Heaps, and P. Raskin. 2002. Global scenario group futures: Technical notes. SEI PoleStar Ser. Rep. 9. Stockholm Environ. Inst., Boston.
- Khan, S., R. Tariq, C. Yuanlai, and J. Blackwell. 2006. Can irrigation be sustainable? Agric. Water Manage. 80(1-3):87-99.
- Kojima, M., D. Mitchell, and W. Ward. 2007. Considering trade policies for liquid biofuels. World Bank, Washington DC.
- Kurosawa, A. 2006. Multigas mitigation: An economic analysis using GRAPE Model. Multigas mitigation and climate policy. Energy J. Spec. Issue #3.
- Lambin, E.F., B.L. Turner II, H.J. Geist, S.B. Agbola, A. Angelsen, J.W. Bruce et al. 2001. The causes of land use and land-cover change: Moving beyond the myths. Global Environ. Change 11(4):261-269.
- Leach G., L. Jarass, G. Obermair, and L. Hoffmann. 1986 Energy and growth. A comparison of 13 industrial and developing countries. Butterworths, London.
- Lee, R. 2003. The demographic transition: Three centuries of fundamental change. J. Econ. Perspect. 17:167-190.
- Levi, B. 2004. Governance and economic development in Africa: Meeting the challenge of capacity building. In B. Levi and S. Kpundeh (ed) Building state capacity in Africa. World Bank and Oxford Univ. Press, Washington DC.
- Lipton, M. 1977. Why poor people stay poor: Urban bias in world development. Harvard Univ. Press, Boston.
- Lopez, R. 2005. Why governments should stop non-social subsidies: Measuring their consequences for rural Latin America. Policy Res. Working Pap. No. 3609. World Bank, Washington DC.
- Lucas, P.L., D.P. Van Vuuren, J.G.J. Olivier, and M.G.J. Den Elzen. 2007. Long-term reduction potential of non-CO<sub>2</sub> greenhouse gases. Environ. Sci. Policy 10(2):85-103.
- Lutz, W., W.C. Sanderson., and S. Scherbov. 2001. The end of world population growth. Nature 412:543-545.
- Lutz, W., W.C. Sanderson, and S. Scherbov. 2004. The end of world population growth in the 21th century. New challenges for human capital formation and sustainable development. Earthscan, London.
- MA (Millennium Ecosystem Assessment). 2003. Ecosystems and human well-being: A framework for assessment. Island Press, Washington.

- MA (Millennium Ecosystem Assessment). 2005a. Ecosystems and human well-being: Scenarios. Island Press, Washington DC.
- MA (Millennium Ecosystem Assessment). 2005b. Ecosystems and human well-being: Policy responses. Island Press, Washington DC.
- Maddison, A. 2003. The world economy: Historical statistics. OECD, Paris.
- Marshall, M.G., T.R. Gurr, J. Wilkenfeld, M.I. Lichbach, and D. Quinn. 2003. Peace and conflict 2003- A global survey of armed conflicts. Self-determination movements and democracy. Center Int. Dev. Conflict Manage. Univ. Maryland, College Park.
- Mehra, R., and S. Gammage. 1999. Trend, countertrends and gaps in women's employment. World Dev. 27(3):533-550.
- Meijer, E., and R. Stewart. 2004. The GM cold war: How developing countries can go from being dominos to being players. RECIEL (Rev. Eur. Community and Int. Environ. Law) 13(3):247-262.
- Molden, D., R. Sakthivadivel, and Z. Habib. 2000. Basin level use and productivity of water: Examples from South Asia. Res. Rep. 49. IWMI, Colombo.
- Nakicenovic, N., J. Alcamo, G. Davis, B. de Vries, J. Fenham, S. Gaffin et al. 2000. Special report on emissions scenarios. Working Group III, IPCC. Cambridge Univ. Press, UK.
- Nayyar, D. 2006. Globalization, history and development: A tale of two centuries. Cambridge J. Econ. 30:137-159.
- Noragric. 2004. Poverty reduction strategies and relevant participatory learning processes in agricultural higher education. Case studies from Ethiopia, Malawi, Tanzania and Uganda. Frik Sundstøl (ed) Noragric Rep. 21A. Agric. Univ. Norway.
- Notestein, F.W. 1945. Population — The long view. In T.W. Schultz (ed) Food for the world. Univ. Chicago Press, IL.
- NSF. 2006. U.S. R&D continues to rebound in 2004. InfoBrief. Sci. Resourc. Stat. Nat. Sci. Foundation, Washington DC.
- OECD. 2001. Environmental indicators for agriculture. Vol. 3: Methods and results. OECD, Paris.
- OECD. 2002. Workshop on organic agriculture – Washington DC. Sept 2002. OECD, Paris.
- OECD. 2006. Working party on global and structural policies. Revised environmental baseline for the OECD environmental outlook to 2030. Environ. Directorate (Nov). ENV/EPOC/GSP(2006)23. OECD, Paris.
- OECD. 2006b. Science, technology and industry outlook. OECD, Paris.
- Oki, T., M. Sato, A. Kawamura, M. Miyake, S. Kanae, and K. Musiake. 2003. Virtual water trade to Japan and in the world. In A.Y. Hoekstra (ed) Virtual water trade: Proc. Int. Expert Meeting Virtual Water Trade. Value of Water Res. Rep. Ser. No. 12. UNESCO-IHE, Delft.

- Palaniswamy, N., and R. Birner. 2006. Explaining the “political will” to support agricultural development in Sub-Saharan Africa. Paper presented at the Annual Conf. Verein fuer Socialpolitik, Res. Committee Dev. Econ. Berlin, KWF, 2-3 June 2005.
- Palm, C.A., P.L.O.A. Machado, T. Mahmood, J. Melillo, S.T. Murrell, J. Nyamangara et al. 2004. Societal responses for addressing nitrogen fertilizer needs: balancing food production and environmental concerns. p. 71-92. *In* A.R. Mosier et al. (ed) Agriculture and the nitrogen cycle. Island Press, Washington.
- Parry, M., G. Fischer, M. Livermore, C. Rosenzweig, and A. Iglesias. 1999. Climate change and world food security: A new assessment. *Global Environ. Change* 9:S51-S67.
- Pimentel, D., and A. Wilson. 2004. World population, agriculture, and malnutrition. *World Watch Mag.* 17(5).
- Pimentel, D., and M. Pimentel. 1979. Food, energy and society. John Wiley, NY.
- Pimentel, D. (ed) 1980 Handbook of energy utilization in agriculture. CRC Press, Boca Raton
- Pingali, P.L., and G. Traxler. 2002. Changing locus of agricultural research: will the poor benefit from biotechnology and privatization trends? *Food Policy* 27(3):223-238.
- Psacharopoulos, G., and H.A. Patrinos. 2004. Returns to investment in education: A further update. *Educ. Econ.* 12:111-135.
- Putnam, R.D. 1993. Making democracy work: Civic traditions in modern Italy. Princeton Univ. Press, NJ.
- Ramirez-Ramirez, A. 2005. Monitoring energy efficiency in the food industry. PhDthesis Utrecht Univ., Netherlands.
- Raskin, P.D. 2005. Global scenarios: Background review for the Millennium Ecosystem Assessment. *Ecosystems* 8:133-142.
- Raskin, P., T. Banuri, G. Gallopin, P. Gutman, A. Hammond, R. Kates et al. 2002. Great transition: The promise and lure of the times ahead. Stockholm Environ. Inst., Boston.
- Reardon, T., C.P. Timmer, C.B. Barrett, and J. Berdegué. 2003. The rise of supermarkets in Africa, Asia, and Latin America. *Am. J. Agric. Econ.* 85(5):1140-1146.
- Reid, R.S., T.P. Tomich, J.C. Xu, H. Geist, and A.S. Mather. 2006. Linking land-change science and policy: Current lessons and future integration. p. 157-171. *In* E.F. Lambin, and H.J. Geist (ed) Land-use and land-cover change. Local processes and global impacts. Springer, Berlin.
- Rijsberman, F.R., and D.J. Molden. 2001. Balancing water uses: Water for food and water for nature. p. 43-56. Thematic Background Papers, Int. Conf. Freshwater, Bonn, 3-7 Dec.
- Rist, S. and F. Dahdouh-Guebas. 2006. Ethnoscience—A step towards the integration of scientific and indigenous forms of knowledge in the management of natural resources for the future. *Environ. Develop. Sustain.* 8:467–493.
- RIVM/UNEP. 2004. The GEO-3 scenarios 2002-2032. Quantification and analysis of environmental impacts. Dutch Nat. Inst. Public Health Environ., Bilthoven.

- Rockstrom, J., J. Barron, and P. Fox. 2003. Water productivity in rainfed agriculture: Challenges and opportunities for smallholder farmers in drought-prone tropical agro-ecosystems. p. 145-162. In J.W. Kijne et al. (ed) Water productivity in agriculture: Limits and opportunities for improvement. CABI Publ., Wallingford.
- Rondot, P., and M. Collion. 2001. Agricultural producer organizations: Their contribution to rural capacity building and poverty reduction. World Bank, Washington DC.
- Rosegrant, M., and M. Svendsen. 1993. Asian food production in the 1990s: Irrigation investment and management policy. *Food Policy* 18:13-32.
- Rosegrant, M., N. Leach, and R.V. Gerpacio. 1999. Alternative futures for world cereal and meat consumption. *Proc. Nutr. Society* 58(2):219-234.
- Rosegrant, M., X. Cai, and S. Cline. 2002. World water and food to 2025. Dealing with scarcity. IFPRI, Washington DC.
- Rosegrant, M., M. Paisner, S. Meijer, and J. Witcover. 2001. Global food projections to 2020: Emerging trends and alternative futures. IFPRI, Washington DC.
- Rosegrant, M., and M.A. Sombilla. 1997. Critical issues suggested by trends in food, population, and the environment to the year 2020. *Am. J. Agric. Econ.* 79(5):1467-1470.
- Rounsevell, M.D.A., I. Reginster, M.B. Arau'jo, T.R. Carter, N. Dendoncker, F. Ewert et al. 2006. A coherent set of future land use change scenarios for Europe. *Agric. Ecosyst. Environ.* 114:57-68.
- Ruttan, V.W. 2001. Technology, growth, and development: An induced innovation perspective. Oxford Press, NY.
- Sands, R.D., and M. Leimbach. 2003. Modeling agriculture and land use in an integrated assessment framework. *Climatic Change* 56(1-2):185-210.
- Sathaye, J., W. Makundi, L. Dale, P. Chan, and K. Andrasko. 2006. GHG mitigation potential, costs and benefits in global forests: A dynamic partial equilibrium approach. *Energy J.*
- Scherr, S.J. 1999. Poverty-environment interactions in agriculture: Key factors and policy implications. Paper prepared for UNDP and the European Commission expert workshop on Poverty and the Environment, Brussels, 20-21 Jan.
- Schmidhuber, J. 2003. The outlook for long-term changes in food consumption patterns: Concerns and policy options. Paper prepared for the FAO Scientific Workshop on Globalization of the Food System: Impacts on food security and nutrition. 8-10 Oct. FAO, Rome.
- Seale, J., A. Regmi, and J. Bernstein. 2003. International evidence on food consumption patterns. Available at <http://www.ers.usda.gov/publications/tb1904/tb1904.pdf>. ERS, USDA, Washington DC.
- Seckler, D., D. Molden, U. Amarasinghe, and C. de Fraiture. 2000. Water issues for 2025: A research perspective. IWMI, Colombo.

- Sen, A., and J. Drèze. 1989. Hunger and public action. Clarendon Press, Oxford.
- Sen, A. 1981. Poverty and famines: An essay on entitlement and deprivation. Oxford Univ. Press, NY.
- Shah, T., J. Burke, and K. Villholth. 2007. Groundwater: A global assessment of scale and significance. *In* D. Molden (ed) Water for food, water for life: A comprehensive assessment of water management in agriculture. Earthscan, London and IWMI, Colombo.
- Shiklomanov, I. 2000. Appraisal and assessment of world water resources. *Water Int.* 25(1):11-32.
- Shimoda, S.M. 1998. Agricultural biotechnology: Master of the universe? *AgBioForum* 1(2).
- Slesser, M., and C. Lewis. 1979. Biological energy resources. Halsted, NY.
- Smeets, E., and A. Faaij 2004. Biomass resource assessment on global scale for identifying biomass production and export potentials. Report prepared for NOVEM and Essent. Copernicus Inst. Sustain. Dev. Utrecht Univ., Netherlands.
- Smil, V. 1987. Energy - food - environment. Realities - myths – options. Clarendon Press, Oxford.
- Smil, V. 1991. General energetics. Wiley, NY.
- Smil, V. 2000. Feeding the world: A challenge for the twenty first century. MIT Press, Boston.
- Smil, V. 2003. Energy at the crossroads: Global perspectives and uncertainties. MIT Press, Boston.
- Smith, P., and M. Bertaglia. 2007. Greenhouse gas mitigation in agriculture. *In* C.J. Cleveland (ed) Encyclopedia of Earth. Available at [http://www.eoearth.org/article/Greenhouse\\_gas\\_mitigation\\_in\\_agriculture](http://www.eoearth.org/article/Greenhouse_gas_mitigation_in_agriculture). Environ. Inform. Coalition, Nat. Council Sci. Environ., Washington DC.
- Sohngen, B., and R. Mendelsohn. 2006. A sensitivity analysis of carbon sequestration. *In* M. Schlesinger (ed) Human-induced climate change: An interdisciplinary assessment. Cambridge University Press, UK.
- Sohngen, B., and R. Sedjo. 2006. Carbon sequestration in global forests under different carbon price regimes. *Energy J.* (Spec. Issue #3):109-126.
- Stanhill, G. (ed) 1984. Energy and agriculture. Springer-Verlag, Berlin.
- Stout, B.A. 1991. Handbook of energy for world agriculture. Elsevier, NY.
- Stout, B.A. (ed) 1992. Energy in world agriculture. Elsevier, Amsterdam.
- Strengers, B., R. Leemans, B. Eickhout, B. de Vries, and L. Bouwman. 2004: The land-use projections and resulting emissions in the IPCC SRES scenarios as simulated by the IMAGE 2.2 model. *GeoJournal* 61(4):381-393.
- Thaman, K.H. 2002. Shifting sights: The cultural challenge of sustainability. *Higher Educ. Policy* 15:133-142.
- Thompson, W.S. 1929. Population. *Am. Sociol. Rev.* 34(6):959-975.

- Thornton, P.K., P.G. Jones, T. Owiyo, R.L. Kruska, M.P. Herrero, P. Kristjanson et al. 2006. Mapping climate vulnerability and poverty in Africa. Available at <http://www.dfid.gov.uk/research/mapping-climate.pdf>. ILRI, Nairobi.
- Tokarick, S. 2002. Trade issues in the Doha Round: Dispelling some misconceptions. Policy Disc. Pap. IMF, Washington DC.
- Traill, W.B. 2006. The rapid rise of supermarkets? Dev. Policy Rev. 24(2):163-174.
- Tusicisny, A. 2004. Civilizational conflicts: More frequent, longer, and bloodier? J. Peace Res. 41(4):485–498.
- UN. 2004. World population to 2300. United Nations, NY.
- UN. 2005. Population and HIV/AIDS 2005. Ser. No. E.05.XIII.2. United Nations, NY.
- UN. 2005a. World population prospects: The 2004 revision highlights. United Nations, NY.
- UN. 2005b. Population challenges and development goals. United Nations, NY.
- UN Millennium Project. 2005. Halving hunger: It can be done. UN Taskforce on Hunger, NY.
- UNCTAD. 2005. Trade and development report. Available at [http://www.unctad.org/en/docs/tdr2005\\_en.pdf](http://www.unctad.org/en/docs/tdr2005_en.pdf). UN Conf. Trade Dev., NY.
- UNEP. 2002. Global environment outlook 3 (GEO-3). UNEP, Nairobi and Earthscan, London.
- UNEP. 2004. Global environment outlook scenario framework. Background Rep. GEO-3. UNEP, Nairobi.
- UNEP. 2007. Global environment outlook 4 (GEO-4). UNEP, Nairobi and Earthscan, London.
- UNESCO. 2006. [http://portal.unesco.org/education/en/ev.php-URL\\_ID=50558&URL\\_DO=DO\\_TOPIC&URL\\_SECTION=201.html](http://portal.unesco.org/education/en/ev.php-URL_ID=50558&URL_DO=DO_TOPIC&URL_SECTION=201.html)
- UNIFEM. 2000. Progress of the world's women. UN Dev. Fund Women, NY.
- US Census Bureau. 2003. International data base. Updated 26 April 2005. US. Bureau of the Census, Washington DC.
- US DoE. 2004. International Energy Outlook. Energy Inform. Admin., US Dep. Energy, Washington DC.
- US EPA. 2006. Global anthropogenic non-CO<sub>2</sub> greenhouse gas emissions: 1990-2020. Available at <http://www.epa.gov/nonco2/econ-inv/international.html>. US Environ. Prot. Agency, Washington DC.
- Van Meijl, T., A. Van Rheenen, A. Tabeau, and B. Eickhout. 2006. The impact of different policy environments on land use in Europe. Agric. Ecosyst. Environ. 114:21-38.
- Van Vuuren, D., and B.C. O'Neill. 2006. The consistency of IPCC's SRES Scenarios to recent literature and recent projections. Climate Change. Springer, NY.
- Van Vuuren, D.P., B. Eickhout, P.L. Lucas, and M. Den Elzen. 2006. Long-term multi-gas scenarios to stabilise radiative forcing – Exploring costs and benefits within an integrated assessment framework. Energy J. (Spec. Iss.) 3:201-234.

- Van Vuuren, D.P. 2007. Energy systems and climate policy. Long-term scenarios for an uncertain future. PhD thesis, Utrecht Univ., Netherlands.
- Verbist, B., A.E.D. Putra, and S. Budidarsono. 2005. Factors driving land use change: Effects on watershed functions in a coffee agroforestry system in Lampung, Sumatra. *Agric. Syst.* 85:254-270.
- Von Braun, J., M. Rosegrant, R. Pandya-Lorch, M.J. Cohen, S.A. Cline, M.A. Brown et al. 2005. New risks and opportunities for food security: Scenario analyses for 2015 and 2050. IFPRI, Washington, DC.
- Westhoek, H., D.P. van Vuuren, and B. Eickhout. 2005. A brief comparison of four scenario studies: IPCC-SRES, GEO-3, Millennium Ecosystem Assessment, and FAO towards 2030. Netherlands Environ. Assessment Agency (MNP).
- Wood, S., J. Henao, and M. Rosegrant. 2004. The role of nitrogen in sustaining food production and estimating future nitrogen fertilizer needs to meet food demand. *In* A.R. Mosier et al. (ed) Agricultural and the nitrogen cycle. Scope, Washington.
- World Bank. 2003. World development indicators, 2003. World Bank, Washington, DC.
- World Bank. 2004a. Agricultural investment sourcebook. Available at [www.worldbank.org/agsourcebook](http://www.worldbank.org/agsourcebook). ARD, World Bank, Washington DC.
- World Bank. 2004b. World economic prospects 2004. 1990–2000 Trends and recent projections. World Bank. Washington DC.
- World Bank. 2005a. Advancing bioenergy for sustainable development. ESMAP, World Bank, Washington DC.
- World Bank. 2005b. World development indicators. World Bank, Washington DC.
- WRI. 1997. World resources 1996-97. World Resourc. Inst., Washington DC.
- Xie, Y., Y. Mei, T. Guangjin, and X. Xuerong. 2005. Socio-economic driving forces of arable land conversion: A case study of Wuxian City, China. *Global Environ. Change* 15:238-252.
- Zurek, M., and T. Henrichs. 2006. Linking scenarios across geographical scales in international environmental assessments. *Tech. Forecasting Soc. Change* 74:1282-1295.