

NAE Chapter 6 References

- Abler, D. 2004. Multifunctionality, agricultural policy and environmental policy. *Agric. Res. Econ. Rev.* 33:8-17.
- ACRE. 2006. Managing the footprint of agriculture: Towards a comparative assessment of risks and benefits for novel agricultural systems (Consultation draft). Available at <http://www.defra.gov.uk/environment/acre/fsewiderissues/pdf/acre-wi-final.pdf>. ACRE Secretariat, DEFRA, London.
- Action Aid International. 2006. Power hungry: Six reasons to regulate global food corporations. Johannesburg, South Africa.
- ADAS. 2002. The role of future public research investment in the genetic improvement of UK grown crops. DEFRA, London.
- Aebersold, R. 2005. Molecular systems biology: A new journal for a new biology? *Mol. Systems Biol.* 1:1.
- AFES (French Assoc. Soil Sci.). 1998. 16th World Congress of Soil Science: Introductory conferences and debate: The aims of soil science, challenges to be met by soil science, the services soil science can render. AFES, Montpellier.
- Afman, M. and M. Muller. 2006. Nutrigenomics: From molecular nutrition to prevention of disease. *J. Am. Diet Assoc.* 106:569-576.
- Agrawal, A. 1995. Indigenous and scientific knowledge: Some critical comments. Article and exchange. *Indigen. Knowl. Dev. Mon.* 3:3-4, 4:1-2.
- Aigner, S.M., C.B. Flora, and J.M. Hernandez. 2001. The premise and promise of citizenship and civil society for renewing democracies and empowering sustainable communities. *Soc. Inquiry* 71:493-507.
- Aitken, R.J., K.S. Creely, and C.L. Tran. 2004. Nanoparticles: An occupational hygiene review. Res. Rep. 274. Health Safety Exec. London.
- Alderson, A.S., and F. Nielsen. 2002. Globalization and the great u-turn: Income inequality trends in 16 OECD countries. *Am. J. Soc.* 107:5.1244.
- Allaire, G. 2002. Economy of quality, its chains, territories and myths. *Géographie, Econ. Société* 4:155-180.
- Allen, E.A., and L.M. Humble. 2002. Nonindigenous species introductions: A threat to Canada's forests and forest economy. *Can. J. Plant Path.* 24:103-110.
- Alston, J.M. 2000. Agricultural R&D, technological change, and food security. Dep. Agric. Res. Econ., UC Davis CA.
- Alston, J., M.C. Marra, P.G. Pardey, and T.J. Wyatt. 2000. Research returns redux: A meta-analysis of agricultural R&D evaluations. *Aust. J. Agric. Res. Econ.* 44:185-216.
- Alston, J., P. Pardey, and V Smith. 1999. Paying for agricultural productivity. Johns Hopkins Univ. Press, Baltimore.

- Alston, J.M., and P.G. Pardey. 2001. Attribution and other problems in assessing the returns to agricultural R&D. *Agric. Econ.* 25:141-152
- Alston, J.M., G.W. Norton and P.G. Pardey. 1995. *Science under scarcity: Principles and practice for agricultural research evaluation and priority setting.* Cornell Univ. Press, Ithaca NY.
- Altieri, M.A., and C.I. Nicholls. 1999. Biodiversity, ecosystem function and insect pest management in agricultural systems. p. 69-84 *In* W.W. Collins and C.O. Qualset (ed) *Biodiversity in agroecosystems.* CRC Press, Boca Raton.
- Altieri, M.A. 1995. *Agroecology: The science of sustainable agriculture.* Westview Press, Boulder CO.
- Altieri, M.A. 2005. *Agroecology: Principles and strategies for designing sustainable farming systems.* p. 291. *In* UNEP et al. (ed) *Agroecology and the search for a truly sustainable agriculture.* Univ. California, Berkeley and UNEP, Mexico.
- ANAFE, 2007. African network for agriculture, agroforestry and natural resources education [Online]. Available at <http://www.anafeafrika.org/>. ANAFE, Nairobi.
- Anderson, K. 2004. Subsidies and trade barriers. *In* B. Lomborg (ed) *Global crises, global solutions.* Cambridge Univ. Press, UK.
- Anderson, P.K., A.A. Cunningham, N.G. Patel, F.J. Morales, P.R. Epstein, and P. Daszak. 2004. Emerging infectious diseases of plants: Pathogen pollution, climate change and agrotechnology drivers. *Trends Ecol. Evol.* 19:535-44.
- Andow, D.A., and C. Zwahlen. 2006. Assessing environmental risks of transgenic plants. *Ecol. Letters* 9:196-214.
- Anton, D., P. Mathew, W. Morgan. 2007. *International law. Cases and materials.* Oxford, NY.
- Attieh, J.M., R. Djiana, P. Koonjul, C. Ettiene, S. Sparace, H.S. Saini. 2002. Cloning and functional expression of two plant thiolmethyltransferases, a new class of enzymes involved in the biosynthesis of sulfur volatiles. *Plant Mol. Biol.* 50:511-521.
- Azais-Braesco, V., C. Goffi, and E. Labouze. 2006. Nutrient profiling: Comparison and critical analysis of existing systems. *Public Health Nutr.* 9:613-622.
- Ball, V.E., J.C. Bureau, J.P. Butault, and R. Nehring. 2001. Levels of farm sector productivity: An international comparison. *J. Productivity Anal.* 15:5-29.
- Barndt, D. 2002. *Tangled routes: Women, work, and globalization on the tomato trail.* Rowman and Littlefield, Lanham MD.
- Barnes, A.P. 2002. Publicly-funded UK agricultural R&D and 'social' total factor productivity. *Agric. Econ.* 27:65-74.
- Beedell, J.D.C., and T. Rehman. 1999. Explaining farmers' conservation behaviour: Why do farmers behave the way they do? *J. Environ. Manage.* 57.
- Begg, D., Fisher, S. and Dornbusch, R. 2003. *Economics: 7th ed.* McGraw-Hill, London.

- Bellisle, F. 2003. Why should we study human food intake behaviour? *Nutr. Metab. Cardiovasc. Dis.* 13:189-193.
- Bérard, L., and P. Marchenay. 2004. Products of "terroir" between cultures and regulations. (In French). CNRS Ed., Paris.
- Bérard, L., and P. Marchenay. 2006. Local products and geographical indications: Taking account of local knowledge and biodiversity. *Int. Soc. Sci. J.* 58:109-116.
- Bérard, L. and P. Marchenay. 2007. Localized products in France: Definition, protection and value-adding. *In* V. Amilien, and G. Holt (ed) *From local food to localized food*. *Anthropol. Food*, S2, Mars, special issue.
- Berbel, J. and C.G. Martin. 2004. The sustainability of European irrigation under water framework directive and agenda 2000: EC DG Res., Luxembourg.
- Berkes, F. 1999 *Sacred ecology: Traditional ecological knowledge and resource management*. Taylor and Francis, Philadelphia PA.
- Berkes, F., C. Folke, J. Colding. 2000. *Linking social and ecological systems: Management practices and social mechanisms for building resilience*. Cambridge Univ. Press, UK.
- Betts, R.A., P.D. Falloon, K.K. Goldewijk and N. Ramankutty, 2007. Biogeophysical effects of land use on climate: Model simulations of radiative forcings and large-scale temperature change. *Agric. For. Meteorol.* 142:216-233
- Bicknell, K.B, R.J. Ball, R. Cullen and H.R. Bigsby. 1998. New methodology for the ecological footprint with an application to the New Zealand economy. *Ecol. Econ.* 27:149-160.
- Biro, Y., and R. Päivinen. 2005. Report from the expert group on the vision and strategic objectives for the EU forest action plan. Eur. Community, Luxembourg.
- Bonnal, P. (ed) 2004. European series on multifunctionality 4: Public policies and international comparisons. (In French). Available at <http://www.inra.fr/sed/multifonction/textes/CAHIERMF4.pdf>. INRA, CIRAD, CEMAGREF, France.
- Bonny, S. 2005. *Agricultural systems and agribusiness*. (In French). *Economie Rurale* 288.
- Bourgine, P., and J. Johnson. 2005. Living roadmap for complex systems science. IST-FET, Coordination action. Open network of centres of excellence in complex systems. Project FP6-IST 29814.ONCE-CS. Paris.
- Boussard, J.M., F. Gérard, and M.G. Piketty. 2005. Evaluating the benefits from liberalization in agriculture: Are standard Walrasian models relevant? Available at: <http://www.economicwebinstitute.org/essays/liberalization.htm>. Economics Web Institute.
- Bowes, M.J. et al. 2005. The relative contribution of sewage and diffuse phosphorus sources in the river Avon catchment, southern England: Implications for nutrient management. *Sci. Total Environ.* 344:67-81.

- Bradman, A., B. Eskenazi, D.B. Barr, R. Bravo, R. Castorina, J. Chevrier et al. 2005. Organophosphate urinary metabolite levels during pregnancy and after delivery in women living in an agricultural community. *Environ. Health Perspect.* 113:1802-1807.
- Bradman, A., L. Fenster, A. Sjodin, R.S. Jones, D.G. Patterson, and B. Eskenazi. 2007. Polybrominated diphenyl ether levels in the blood of pregnant women living in an agriculture community in California. *Environ. Health Perspect.* 115:71-74.
- Brandth, B. 2002. Gender identity in European family farming: A literature review. *Soc. Ruralis.* 42:181-200.
- Brouwer, R., I.H. Langford, I.J. Bateman, and R.K. Turner. 1999. A meta-analysis of contingent valuation studies. *Reg. Environ. Change* 1:47-57.
- Brovkin, V., S. Sitch, W. Von Bloh, M. Claussen, E. Bauer, W. Cramer. 2004. Role of land cover changes for atmospheric CO₂ increase and climate change during the last 150 years. *Glob. Change Biol.* 10:1-14.
- Brown, L.K., and K.G. Zeiler. 1993. Aquatic biomass and carbon dioxide trapping. *Energy Conserv. Manage.* 34:1005-1013.
- Brown, R.J. 2002. Thinking globally, working locally. Pres. Nat. Conf. Food Safety Educators, Orlando, Florida. 18 Sept. 2002.
- Bruin, S., and Th.R.G Jongen. 2003. Food process engineering: The last 25 years and challenges ahead. *Comp. Rev. Food Sci. Tech.* 2:42.
- Brush, S.B., and D. Stabinsky. 1995. Valuing local knowledge: Indigenous people and intellectual property rights. Island Press, Washington DC.
- Bryden, J. 2001. Section 3: Rural development. *In* Landsis g.e.i.e. proposal on agri-environmental indicators PAIS. Luxembourg.
- BSI (British Standards Institution). 2006. NTI/1 Nanotechnologies: Committee activities. Available at <http://www.bsi-global.com/en/Standards-and-Publications/Industry-Sectors/Nanotechnologies/Committee-Activities>. BSI, London.
- Bureau, J.C., E. Gozlan, S. Jean. 2005. Globalization of agricultural markets, an opportunity for developing countries? (In French). *Rev. Française d'Econ.* 20:109-145.
- Burger, D., J. Hess, and B. Lang (ed) 2005. Forest certification: An innovative instrument in the service of sustainable development? Available at <http://www.gtz.de/de/dokumente/en-forest-certification-introduction-and-summary.pdf>. GTZ, Eschborn.
- Buttoud, G., B. Solberg, I. Tikkanen, and B. Pajari (ed) 2004. The evaluation of forest policies and programmes: EFI Proc. 52. Available at http://www.efi.int/portal/virtual_library/publications/proceedings/52/. EFI, Finland.
- Cairol, D., E. Coudel, D. Barthélémy, P. Caron, E. Cudlinova, P. Zander et al. 2005. Multifunctionality of agriculture and rural areas: From trade negotiations to contributing to sustainable development: New challenges for research. EU Project MULTAGRI.

- Caponera, D.A. and M. Nanni (ed) 2007. Principles of water law and administration: 2nd ed. Taylor and Francis, The Netherlands.
- Carswell, G. 1997. Agricultural intensification and rural sustainable livelihoods: A think piece. IDS Working Pap. 64. Inst. Dev. Studies, Univ. Sussex, Brighton.
- Castorina, R., A. Bradman, T.E. McKone, D.B. Barr, M.E. Harnly, and B. Eskanazi. 2003. Organophosphate pesticide exposure and risk assessment among pregnant women living in an agricultural community: A case study from the CHAMACOS Cohort. Environ. Health Perspect. 111:1640-1648.
- Caughley, G., and A. Gunn. 1996. Conservation biology in theory and practice. Blackwell Science, Cambridge.
- CBD (Convention on Biological Diversity). 2005. Agricultural biodiversity: Further development of the International initiative for the conservation and sustainable use of soil biodiversity. SBSTA Tenth meeting, Bangkok, 7-11 Feb 2005.
- Chabe-Ferret, S., J. Gourdon, M.A. Marouani, and T. Voituriez. 2005. Trade-induced changes in Economic inequalities: Assessment issues and policy implications for developing countries. Available at http://www.iddri.org/Activites/Ateliers/abcde_tokyo_06-05_iddri_paper.pdf. World Bank, Washington DC.
- Chiao, M., K.B. Lam, and L.W. Lin. 2006. Micromachined microbial and photosynthetic fuel cells. J. Micromech. Microeng. 16:2547-2553.
- Chiarolla, C. 2006. Commodifying agricultural biodiversity and development-related issues. J. World Intellectual Prop. 9:1.
- Chiesura, A. and R. de Groot, R. 2003. Critical natural capital: A sociocultural perspective. Ecol. Econ. 44:219-231.
- Chinn, M.D. and R.W. Fairlie. 2007. The determinants of the global digital divide: A cross-country analysis of computer and internet penetration. Oxford Econ. Papers 59:16-44.
- Chisti, Y. 2007. Biodiesel from microalgae. Biotech. Adv. 25:294-306.
- Christensen, V.S., J.J. Guénette, C. Heymans, R. Walters, R. Watson, D. Zeller et al. 2003. Hundred year decline of north atlantic predatory fishes. Fish Fisheries 4:1-24.
- Christy, F.T.J. 1982. Territorial use rights in marine fisheries: definitions and conditions, FAO Fish. Tech. Pap. 227:1-10.
- COFI (Committee on Fisheries). 2007. 27th meeting, Rome. 5-9 Mar., 2007. UN-FAO, Rome.
- Colvin, V.L. 2003. The potential environmental impact of engineered nanoparticles. Nature Biotechnol. 21:1166-1170.
- COST E19. 2000. National forest programmes: Social and political context. Proc. Cost Action E19 Sem., Madrid. 18-21, Oct 2000. Min. Environ., Spain.
- Costanza, R., S.C. Farber, and J. Maxwell. 1989. Valuation and management of wetland ecosystems, Ecol. Econ. 1:335-361.

Draft—not for citation

- Costanza, R., R. d'Arge, R. de Groot, S. Farber, M. Grasso et al. 1997. The value of the world's ecosystem services and natural capital. *Nature* 387:253-260.
- Daft, R.L. 1998. *Organization theory and design*. 6th ed. South-Western College Publ., Cincinnati OH.
- Dame, J.K., and R.R. Christian. 2007. Uncertainty and the use of network analysis for ecosystem-based fishery management. *Fisheries* 31:331-341.
- Danbom, D.B. 2006. *Born in the country: A history of rural America*, 2nd ed. Johns Hopkins Univ. Press, Baltimore.
- Daszak, P., G.M. Tabor et al. 2004. Conservation medicine and a new agenda for emerging diseases. *Annals NY Acad. Sci.* 1026:1-11.
- De Alessi, M. 2003. *Fishing for solutions*. Inst. Econ. Affairs, London.
- De Groot, R., W. Wilson, and R. Boumans. 2002. A typology for the classification, description and valuation of ecosystem functions, goods and services. *Ecol. Econ.* 41:393-408.
- Defra. 2002a. *Farming and foods' contribution to sustainable development: economic and statistical analysis*. DEFRA, London.
- Defra. 2002b. *The strategy for sustainable farming and food: Facing the future*. DEFRA, London.
- Defra. 2005a. *Characterizing the potential risks posed by engineered nanoparticles: A first UK government research report*. DEFRA, London.
- Defra. 2005b. *The first report of the sustainable farming and food research priorities group*. DEFRA, London.
- Dekker, M., E. Turnhout, B. M. S. D. L. Bauwens and G.M.J. Mohren. 2007. Interpretation and implementation of ecosystem management in international and national forest policy. *Forest Policy Econ.* 9:546-557.
- Delgado, C. L., N. Wada, M.W. Rosegrant, S. Meijer, and M. Ahmed. 2003. *Outlook for fish to 2020*. World Fish Center and IFPRI, Washington DC.
- Desenclos, J.C., and H. de Valk. 2005. Emerging infectious diseases: Importance in public health, epidemiological aspects, determinants and prevention (In French). *Médecine et maladies infectieuses* 35:49-61.
- DFID (Department for International Development). 1999. *Sustainable Livelihood Guidance Sheets* [Online]. Available at http://www.livelihoods.org/info/guidance_sheets_pdfs/section1.pdf. DFID, London.
- Dobrowolski, J.P. and M.P. O'Neill (ed) 2005. *Agricultural water security listening session final report*. USDA REE, Washington DC.
- Dochain D., W. Marquardt, S. C. Won, O. Malik and M. Kinnaert. 2005. Monitoring and control of process and power systems: Towards new paradigms. *Ann. Rev. Control* 30:1.
- Dupouey et al. 2006. The role of agriculture and forests in greenhouse effect (In French.) *In* Paul Colonna (ed) *La chimie verte*. Éditions Tech. Doc. Lavoisier, Cachan, France

- Easterling, W.E. 1996. Adapting North American agriculture to climate change. *Agric. Forest Meteorol.* 80:1–53.
- EC (European Commission). 2003. European commission fisheries yearbook 1993-2002. Off. Official Publ. European communities, Luxembourg.
- EC. 2005. Promoting healthy diets and physical activity: A European dimension for the prevention of overweight, obesity and chronic diseases. Green Pap. Available at http://ec.europa.eu/health/ph_determinants/life_style/nutrition/documents/nutrition_gp_en.pdf. European Commission, Luxembourg.
- EC (European Commission). 2006. Framework program VI Information society technology 2005-2006 (Good food project): Strategies for leadership. Available at <http://www.goodfood-project.org/>. Eur. Commission, Luxembourg.
- Economic Research Service. 2007. Briefing Room: Farm Labor. Available at www.ers.usda.gov/Briefing/FarmLabor. USDA, Washington DC.
- Eden, C. and F. Ackermann (ed) 1998. Making strategy: The journey of strategic management. Sage Publ., London.
- EEA. 1999. Sustainable water use in Europe Part 1: Sectoral use. European Environ. Agency, Copenhagen.
- EEA. 2001a. Sustainable water use in Europe Part 2: Demand management. European Environ. Agency, Copenhagen.
- EEA. 2001b. Sustainable water use in Europe Part 3: Hydrological events: Floods and droughts. European Environ. Agency, Copenhagen.
- Eftec. 2005. The economic, social and ecological value of ecosystem services: A literature review. DEFRA, London.
- Eftec and IEEP. 2004. Framework for environmental accounts for agriculture. Economics for Environment Consultancy (Eftec) and Institute for European Environmental Policy IEEP). DEFRA, London
- Ehler, L.E. and E. Lester. 2005. Integrated pest management: A national goal? The history of federal initiatives in IPM has been one of redefining the mission rather than accomplishing it. *Issues Sci. Tech.* 22:25-26.
- Eicher, C. K. 2001. Africa's unfinished business: Building sustainable agricultural research systems. Available at http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=2820&ftype=.pdf. Michigan State Univ., East Lansing.
- Einsiedel, E.F. and D.L. Easlick. 2000. Consensus conferences as deliberative democracy. *Sci. Commun.* 21:323-343.
- Elliot, N.C. and D. Dent. 1995. Integrated pest management. Springer, NY.
- Ellis, F. 2000. Rural livelihoods and diversity in developing countries. Oxford Univ. Press, UK.

Draft—not for citation

- Engberg, R.A. (ed) 2005. Proceedings of the second water resources policy dialogue, Tucson. 14-15 Feb. 2005. Amer. Water Res. Assoc., Tuscon AZ.
- English Nature. 2002. Policy mechanisms for the control of diffuse agricultural pollution. English Nature Res. 455. English Nature, Peterborough.
- EA (Environmental Agency). 2002. Agriculture and natural resources: Benefits, costs and potential solutions. Environ. Agency for England and Wales, Bristol.
- Eskanazi, B., A.R. Marks, A. Bradman, L. Fenster, C. Johnson, D.B. Barr et al. 2006. Organophosphate pesticide exposure and neurodevelopment in young Mexican-American children. *Pediatrics* 118:233-241.
- EU. 2007. Organic farming: Agriculture and rural development [Online]. Available at http://ec.europa.eu/agriculture/qual/organic/index_en.htm. European Commission, Brussels.
- EURAGRI. 2005. Science for society, science with society. Conf. Proc. Brussels. 3-4 Feb 2005. Available at http://www.ec.europa.eu/research/agriculture/pdf/summary_euragri_con_brussels2005_en.pdf. European Commission, Brussels.
- European Forest Institute, 2007. News 1:15. European Forest Inst., Brussels.
- European Parliament. 2004. Report on agriculture and agricultural research in the framework of CAP Reform: Committee on agriculture and rural development: A5-0018/2004. Eur. Parliament, Brussels.
- European Parliament, 2007. Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for community action in the field of water policy. Eur. Parliament, Brussels.
- Evans, R. 1996. Soil erosion and its impacts in England and Wales. Friends of the Earth Trust. London.
- Eyckmans, J., and M. Finus. 2007. Measures to enhance the success of global climate treaties. Available at <http://www.springerlink.com/content/m22v33551h1j5123/>. *Int. Environ. Agree. Polit. Law Econ.* 7:73-97.
- FABRE Technology Platform. 2006. Sustainable farm animal breeding and reproduction: A vision for 2025 [Online]. Available at <http://www.fabretp.org/>. Eur. Commission, Brussels.
- Fairfax, S.K. and D. Guenzler. 2001. Conservation trusts. Univ. Kansas Press, Lawrence.
- FAO. 2002. World agriculture: Towards 2015-2030: An FAO perspective. FAO, Rome.
- FAO. 2003. The ecosystem approach to fisheries: Fisheries Tech. Pap. 443. FAO, Rome.
- FAO. 2004a. Economic valuation of water resources in agriculture: Water Res. Rep. 27. FAO, Rome.
- FAO. 2004b. The state of food and agriculture 2003-04: Agricultural biotechnology: Meeting the needs of the poor? FAO, Rome.

Draft—not for citation

- FAO. 2005a. Urban and peri-urban agriculture (UPA). Available at <http://www.rlc.fao.org/en/prioridades/aup/>. FAO, Rome.
- FAO. 2005b. An approach to rural development: Participatory and negotiated territorial development (PNTD). Available at http://www.fao.org/sd/dim_pe2/docs/pe2_050402d1_en.pdf. FAO Rural Dev. Div., Rome.
- FAO/ECE/ILO. 1997. People, forests and sustainability. ILO, Geneva.
- FAO/ECE/ILO. 2000. Public participation in forestry. ILO, Geneva.
- FAO/ECE/ILO. 2003. Raising awareness of forests and forestry. ILO, Geneva.
- FAO and World Bank. 2000. Agricultural knowledge and information systems for rural development: Strategic vision and guiding principles. FAO, Rome and World Bank. Washington DC.
- FAO/WHO. 2006. Food standards. Available at http://www.codexalimentarius.net/web/index_en.jsp. Codex Alimentarius Commission, FAO, Rome.
- FARA/ANAFE. 2005. Building Africa's scientific and institutional capacity for agriculture and natural resources (BASIC). FARA, Accra and ANAFE, Nairobi.
- FARA/AU/NEPAD. 2006. Framework for african agricultural productivity (FAAP). FARA, Accra.
- 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 environment goals. *Science* 311:506-508.
- Fearne, A. 1994. Strategic alliances in the European food industry. *Eur. Bus. Rev.* 94:30-36.
- Findeis, J.L. (ed) 2002. The Dynamics of hired farm labour: Constraints and community responses. CABI, UK.
- Fischer. 2005. Socioeconomic and climate impacts on agriculture: An integrated assessment. *Philos. Trans. R. Soc. Lond. Ser. B: Biol. Sci.* 360:2067-2083.
- Flora, C.B., and J. Flora (ed) 2004. Rural communities: Legacy and challenges. 2nd ed. Westview, Boulder,] CO.
- Fluck, R.C. 1992. Energy of agricultural production. p. 13-28. *In* R.C. Fluck (ed) Energy analysis in agricultural systems. Vol. 6 of Energy in world agriculture. Elsevier, Amsterdam.
- Food Security Learning Center. 2007. Food policy councils. Available at <http://www.worldhungeryear.org/fslc>. World Hunger Year, NY.
- FTP. 2007. Forest-based sector technology platform vision 2030: A European technology platform initiative by the European forest based sector. Available at: www.forestplatform.org. FTP, Luxembourg.
- Forni, N. (ed) 2000. Common property regimes: Origins and implications of the theoretical debate: Land reforms: Land settlements and cooperatives. FAO, Rome.

- Foster, B. 2001. Women in agricultural education. Proc. Ann. Nat. Agric. Educ. Res. Conf. 28th, New Orleans. 12 Dec. 2001. Available at <http://aaae.okstate.edu/proceedings/2001/program.HTM>. Am. Assoc. Agric. Ed., Oklahoma State Univ.
- Fox, J., and G. Rivera-Salgado. 2004. Indigenous Mexican migrants in the United States. Center for U.S.-Mexican Studies, UC San Diego, CA.
- Francis, R. C., M. A. Hixon, M. E. Clarke, S. A. Murawski, and S. Ralston. 2007. Ten commandments for ecosystem-based fisheries scientists. *Fisheries* 32:217-233.
- Friedman, T. 1999. *The lexus and the olive tree*. Harper Collins, London.
- Fry, W.E. and S.B. Goodwin. 1997. Resurgence of the Irish potato famine fungus. *Bioscience* 47:363-371.
- Gan, J., S.R. Yates, H.D. Ohr, and J.J. Sims. 1998. Production of methyl bromide by terrestrial higher plants. *Geophys. Res. Letters* 25:3595-3598.
- Garbellotto, M., and D.M. Rizzo. 2005. A California-based chronological review (1995–2004) of research on *Phytophthora ramorum*: The causal agent of sudden oak death. *Phytopathol. Mediterr.* 44:127-143.
- Garcia, S. M., and R.J.R. Grainger. 2005. Gloom and doom? The future of marine capture fisheries, *Phil. Trans. R. Soc. B.* 360:21-46.
- Garforth, C., and R. Usher. 1997. Promotion and uptake pathways for research output: A review of analytical frameworks and communication channels. *Agric. Syst.* 55:301-322.
- Giampietro, M., G. Cerretelli, and D. Pimentel. 1992. Energy analysis of agricultural ecosystem management: Human return and sustainability. *Agric. Ecosyst. Environ.* 38:219-244.
- Gislerud, O., and I. Neven (ed) 2002. National forest programmes in a European context: EFI Proc. 44. EFI, Finland.
- Gliessman, S.R. 1997. *Agroecology: Ecological processes in sustainable agriculture*. Ann Arbor Press MI.
- Glück, P., and D. Humphreys (ed) 2002. National forest programmes in a European context. *Forest Policy Econ.* 4:253-358.
- Glück, P., A.C. Mendes, and I. Neven. 2003. *Making NFPs Work: Publication series 48*. Inst. For. Sect. Policy and Econ. BOKU, COST, Vienna.
- Glück, P., G. Oesten, H. Schanz and K.R. Volz (ed) 1999. Formulation and implementation of national forest programmes: EFI Proc. 30:3. EFI, Finland.
- GoFOR. 2007. *New modes of governance for sustainable forestry in Europe* [Online]. Available at www.boku.ac.at/GoFOR/. GoFOR, Vienna, Austria.
- Gollehon, N., L. Hansen, R. Johansson, W. Quinby, and M. Ribaud. 2006. *Water and wetland resources: AREI*. ERS, USDA, Washington DC.

- Gopinath, M., C. Arnade, M. Shane, and T. Roe. 1997. Agricultural competitiveness: The case of the United States and major EU countries. *Agric. Econ.* 16:99-109.
- Graf, W.L. (ed) 2003. Dam removal research: Status and prospects. H. John Heinz III Center, Washington DC.
- Grandt-Dowton, R.T., and H.G. Dickinson. 2005. Epigenetics and its implications for plant biology: The Epigenetic network in plants. *Ann. Bot.* 96:1143-1164.
- Grandt-Dowton, R.T., and H.G. Dickinson. 2006. Epigenetics and its implications for plant biology: The epigenetic epiphany: Epigenetics, evolution and beyond. *Ann. Bot.* 97:11-27.
- Grenier, L. 1998. Working with indigenous knowledge: A guide for researchers. IDRC, Ottawa.
- Gressel, J. and A. Zilberstein. 2003. Let them eat (GM) straw. *Trends Biotech.* 21:525-530.
- Griffon M., and J. Weber. 1996. Doubly green revolution, economy and institutions (In French). *Agric.* 5:239-242. CIRAD, Paris.
- Grimble, R., and K. Wellard. 1997. Stakeholder methodologies in natural resources management: A review of principles, contexts, experiences and opportunities. *Agric. Syst.* 55:173-193.
- Guzman, K.A., M.R. Taylor and J.F. Banfield. 2006. Environmental risks of nanotechnology: National nanotechnology initiative funding 2000-2004. *Environ. Sci. Tech.* 40:1401-1407.
- Hallman, W K., N.D. Weinstein, S.S. Kada'Kia, and C. Chess. 1995. Precautions taken against Lyme disease at three recreational parks in endemic areas of New Jersey. *Environ. Behavior* 27:437-453.
- Hamdy, A., R. Ragab, and M.E. Scarascia. 2003. Coping with water scarcity: Water saving and increasing water productivity. *Irrig. Drain.* 52:3-20.
- Hanley, N., J. Shogren, and B. White. 2001. Introduction to environmental economics. Oxford Univ. Press, UK.
- Hardin, G. 1968. The tragedy of the commons. *Science* 162:1243-1248.
- Harrus S., and G. Baneth. 2005. Drivers for the emergence and re-emergence of vector-borne 16 protozoal and bacterial diseases. *Int. J. Parasitol.* 35:1309-1318.
- Hartridge, O. and D.W. Pearce. 2001. Is UK agriculture sustainable? Environmentally adjusted economic accounts for UK agriculture. CSERGE-Economics, Univ. College, London.
- Hassell, L. 2007. A continental philosophy perspective on knowledge management. *Infor. Syst. J.* 17:185-195.
- Hatch, D.L., and Z.I. Imam. 1996. Collaboration: The key to investigations of emerging and re-emerging diseases. *E. Mediter. Health J.* 2:1:30-36.
- Health and Safety Executive (HSE). 2004. Nanoparticles: An occupational hygiene review. Inst. Occup. Med. Health Safety Exec., London.
- Heaton, E., T. Voigt, and S.P. Long. 2004. A quantitative review comparing the yields of two candidate C-4 perennial biomass crops in relation to nitrogen, temperature and water. *Biomass Bioenergy* 27:21-30.

- Hector, A., B. Schmid, C. Beierkuhnlein, M.C. Caldeira, M. Diemer, P.G. Dimitrakopoulos et al. 1999. Plant diversity and productivity experiments in European Grasslands. *Science* 286:1123-1127.
- Heller, M.C., and G.A. Keoleian. 2000. Life cycle-based sustainability indicators for assessment of the U.S. food system. *School Nat. Res. Environ., Univ. Michigan*.
- Heller, M.C., and G.A. Keoleian. 2003. Assessing the sustainability of the US food system: a life cycle perspective. *Agric. Syst.* 76:1007-1041.
- Herman, A. 2001. *How the Scots invented the modern world*. Three Rivers Press, New York.
- Hetherington, M.M. 2002. The physiological-psychological dichotomy in the study of food intake. *Proc. Nutr. Soc.* 61:497-507.
- Holland, N., C. Furlong, M. Bastaki, R. Richter, A. Bradman, K. Huen et al. 2006. Paraoxonase polymorphisms, haplotypes, and enzyme activity in Latino mothers and newborns. *Environ. Health Perspect.* 114:985-91.
- Horwitz, P., and B.A. Wilcox. 2005. Parasites, ecosystems and sustainability: Ecological and complex systems perspectives. *Int. J. Parasitol.* 35:725-732.
- Houllier, F., J. Novotny, R. Päivinen, K. Rosén, G. Scarascia-Mugnozza, and K. Von Teuffel. 2005. Future forest research strategy for a knowledge based forest cluster: An asset for sustainable Europe. *EFI Disc. Pap.* 11. EFI, Finland.
- Hubacek, K., and S. Giljum. 2003. Applying physical input-output analysis to estimate land appropriation (ecological footprints) of international trade activities. *Ecol. Econ.* 44:137-151.
- Hubert B., and D. Despréaux. 2007. Added value and territories (In French.) *Valeur ajoutée et territoires*. In Loyat J. (ed) *Ecosystèmes et sociétés: Concevoir une recherche pour un développement durable*. Cemagref, Cirad, Ifremer, INRA, IRD, MNHN, Paris.
- Hughes, J.M. 2001. Emerging infectious diseases: A CDC perspective. *Emerg. Infect. Dis.* 7(3Supp):494-496.
- Humphreys, D. (ed) 2004. *Forests for the Future: National forest programmes in Europe: Country reports from COST Action E19*. Off. Official Publ. Eur. Communities, Luxembourg.
- Hussein, K., and J. Nelson. 1998. *Sustainable livelihoods and livelihoods diversification: IDS working paper 69*. IDS, Univ. Sussex, Brighton.
- Hutson, S.S., N.L. Barber, J.F. Kenny, K.S. Linsey, D.S. Lumia., and M.A. Maupin. 2005. *Estimated use of water in the United States in 2000*. Circular 1268. US Geological Survey, Washington DC.
- IEA. 2004. *Analysis of the impact of high oil prices on the global economy*. IEA, Paris.
- IFAD. 2001. *Rural poverty report 2001: The challenge of ending rural poverty*. Oxford Univ. Press, UK.
- Inglis, J. 1993. *Traditional ecological knowledge: Concepts and cases*. IDRC, Ottawa.

- IPCC. 2001. Third Assessment Report of the Intergovernmental Panel on Climate Change. IPCC/WMO, Geneva.
- IUCN, 2001. Communities and forest management in Western Europe. IUCN, Switzerland.
- Jackson, W. 1980. New roots for agriculture. Univ. Nebraska Press, Lincoln.
- John, W.B. Jr. 2001. Energy conservation for commercial greenhouses: NRAES [Online]. Available at <http://www.nraes.org/publications/nraes3.html>. Nat. Resource, Agric., and Engineering Service, Ithaca NY.
- Johnson, K.H., K.A. Vogt, H.J. Clark, O.J. Schmitz and D.J. Vogt. 1996. Biodiversity and the productivity and stability of ecosystems. *Trends Ecol. Evol.* 11:9:372-377.
- Johnson, C., G. Bentrop, and D. Rol. 1999. Conservation corridor planning at the landscape level: Management for wildlife. USDA and NRCS, Washington DC.
- Joseph, T. and M. Morrison. 2006. Nanotechnology in agriculture and food. Available at <http://www.nanoforum.org/>. Eur. Nanotechnology Gateway, Germany.
- Joss, S. 1998. Danish consensus conferences as a model of participatory technology assessment: An impact study of consensus conferences on Danish parliament and Danish public debate. *Sci. Public Policy* 25:2-22.
- Julian, M.A., and P.G. Pardey. 2001. Attribution and other problems in assessing the returns to agricultural R&D. *Agric. Econ.* 25:141-152.
- Karjalainen, T., H. Spiecker, and O. Laroussinie (ed) 1999. Causes and consequences of accelerating tree growth in Europe. *Eur. Forest Inst. Proc.* 27. EFI, Finland.
- Kasnakoglu, H. (ed) 2006. *FAO statistical yearbook 2005-2006*. FAO, Rome.
- Kellogg Commission on the future of state and land-grant universities. 2000. *Returning to our roots*. NASULGC. Kellogg Commission, Washington DC.
- Kerr, J.T., and D.J. Currie. 1995. Effects of human activity on global extinction risk. *Conserv. Biol.* 9:1528-1538.
- Kiss, A.C. (ed) 2003. *Economic globalization and compliance with environmental agreements*. Int. Environ. Law Policy Ser. 63. Kluwer, The Hague.
- Knickel, K. and H. Renting. 2000. Methodological and conceptual issues in the study of multifunctionality and rural development. *Sociol. Ruralis* 40:4:512-528.
- Koeijer, T.J., G.A.A. de Wossink, J.A. Renkema, and P.C. Struik. 2002. Measuring agricultural sustainability in terms of efficiency: The case of sugar beet growers. *J. Environ. Manage.* 66:9-17.
- Kuzma, J., and P. VerHage. 2006. *Nanotechnology in agriculture and food production: Anticipated applications*. Woodrow Wilson Center for Int. Scholars, Univ. Minnesota, Minneapolis.
- Ladygina, N., E.G. Dedyukhina, and M.B. Vainshtein. 2006. A review on microbial synthesis of hydrocarbons. *Process Biochem.* 41:1001-1014.

- Lahmar, R., M. Dosso, A. Ruellan, and L. Montanarella (ed) 2000. Soils in central and eastern European countries, in the new independent states in central Asian countries and in Mongolia: Present situation and future perspectives. Eur. Soil Bureau, European Commission, Luxembourg.
- Lal, R. (ed) 2002. Encyclopedia of soil science. Marcel Dekker, NY.
- Lamont, J.T.J. 1992. Agricultural marketing systems: Horizontal and vertical integration in the seed potato industry. *Brit. Food J.* 94(8).
- Lane, S.N., J. Morris, P.E. O'Connell, and P.E. Quinn. 2006. Managing the rural landscape. *In* C.R. Thorne et al. (ed) Future flood and coastal erosion risk. Thomas Telford, London.
- Lassey, K. 2005. Livestock methane emissions: Measurements, methods, inventory estimation, and the global methane cycle. *Agric. For. Meteorol.* 142:120-132.
- Lazarova, V., and A. Bahri (ed) 2004. Water reuse for irrigation: Agriculture, landscapes, and turf grass. CRC Press, Boca Raton FL.
- Leeuwis, C. 2004. Communication for rural innovation: Rethinking agricultural extension. 3rd ed. Blackwell Sci., Oxford.
- Lenzen, M., and S.A. Murray. 2001. A modified ecological footprint method and its application to Australia. *Ecol. Econ.* 37:229-255.
- Lenzen, M., and S.A. Murray. 2003. The ecological footprint: Issues and trends. *Integrated Sustainability Analysis Res. Pap.* 01-03. Univ. Sydney, Australia.
- Lipstreu, Amalie. 2007. A review of state food policy councils in the United States and opportunities for the state of Ohio [Online]. Available at <http://www.thefarmlandcenter.org/documents/FoodPolicyBrief07.pdf>. The Farmland Center, OH.
- Littlefield, J. 1998. Greenhouses feature high-tech hydroponics, controlled environment agriculture. Available at <http://cals.arizona.edu/pubs/general/resrpt2000/controlledenvironment.pdf>. Univ. Arizona College Agri. Life Sci., AR.
- Logan, B.E., and J.M. Regan. 2006. Electricity-producing bacterial communities in microbial fuel cells. *Trends Microbiol.* 14:512-518.
- Loreau, M., N. Mouquet, and A. Gonzalez. 2003. Biodiversity as spatial insurance in heterogeneous landscapes. *PNAS* 100:12765-12770.
- Loreau, M., S. Naeem, P. Inchausti, J. Bengtsson, J.P. Grime, A. Hector et al. 2001. Biodiversity and ecosystem functioning: Current knowledge and future challenges. *Science* 294:804-808.
- Loyat, J. 2004. Agriculture and development, paradox and wrong solutions (In French). *La Documentation Française, Questions Internationales* 6.

- Loyat, J. 2006. Striking a balance between economic efficiency and solidarity: Using agriculture to promote sustainable development [Online]. Available at http://www.cgiar.org/pdf/france_cgiar_ENG_chapter3.pdf. Washington DC.
- Lucey, D. 2000. Summary and evaluation of main developments and changes in organizational forms of and approaches by the AKS in OECD member countries. OECD, Paris.
- Lynch, J.M., and A.J. Moffat. 2005. Bioremediation: Prospects for the future application of innovative applied biological research. *Annals Appl. Biol.* 146:217–221.
- Lyson, T.A. and A.L. Raymer. 2000. Stalking the wily multinational: Power and control in the U.S. food system. *Agric. Human Values* 17:199-208.
- Ma, W., D. Shi, Q. Wang, L. Wei, and H. Chen. 2005. Exogenous expression of the wheat chloroplastic fructose-1-6-bisphosphate gene enhances photosynthesis in the transgenic cyanobacterium *Anabaena PCC7120*. *J. Appl. Phycology* 17:273-280.
- Mack, R.N., and M. Erneberg. 2002. The United States naturalized flora: Largely the product of deliberate introductions. *Annals Missouri Bot. Garden* 89:176–189.
- Mackova, M., D.N. Dowling, and T. Macek. 2006. *Phytoremediation and rhizoremediation: Focus on biotechnology 9A*. Springer, Dordrecht.
- MAP (French Ministry of Agriculture). 2006. Reinforce economic organization. (In French). Available at www.agriculture.gouv.fr/spip/actualites.loa_a6276.html. MAP, Paris.
- Marra, M., P. Pardey, and J. Alston. 2002. The payoffs of agricultural biotechnology: An assessment of the evidence. IFPRI, Washington DC.
- Martin, P. 2003. *Managing labor migration: Temporary worker programs for the 21st century*. ILO, Geneva.
- Mattson, J.W., W.W. Koo. 2006. Forces reshaping world agriculture: Agribusiness and applied economics report No. 582. Center for Agric. Policy and Trade Studies, North Dakota State Univ., ND.
- Mauro, F., and P. Hardison. 2000. Traditional knowledge of indigenous and local communities: International debate and policy initiatives. *Ecol. Appl.* 10:1263-1269.
- Mazoyer, M., and L. Roudart. 2006. *A History of world agriculture. From the neolithic age to the current crisis*. Earthscan, London.
- McNeely, J. and S.J. Scherr. 2002. *Ecoagriculture: Strategies to feed the world and save biodiversity*. Island Press, Washington DC.
- MA (Millennium Ecosystem Assessment). 2005. *Ecosystems and human well-being: Current states and trends*. vol. 1. Island Press, Washington DC.
- Mercoiret, M.R., B. Goudiaby, S. Marzaroli, D. Fall, S. Gueye, and J. Coulibaly. 2001. Empowering producer organizations: Issues, goals and ambiguities. p. 20-28. *In P. Rondot, M-H. Collion (ed) Agricultural producer organizations: Their contribution to rural*

- capacity building and poverty reduction. Workshop Rep., Washington, 28-30 June 1999. World Bank, Washington DC.
- Miles, H.L., P.L. Hofman, and W.S. Cutfield. 2005. Fetal origins of adult disease: A paediatric perspective. *Rev. Endocr. Metab. Disord.* 6:261-268.
- Minorsky, P.V. 2003. Achieving the in silico plant: System biology and the future of biological research. *Plant Physiol.* 132:404-409.
- Mitchell, J.P., P.B. Goodell, R. Krebill-Prather, T.S. Prather, K.J. Hembree, D.S. Munk et al. 2001. Innovative agricultural extension partnerships in California's central San Joaquin Valley. Available at <http://www.joe.org/joe/2001december/rb7.html>. *J. Extension* 39:6.
- Mitchell, R. 2003. International environmental agreements: A survey of their features, formation, and effects. *Ann. Rev. Environ. Resour.* 28:429-461.
- Morisset, J. 1997. Unfair trade? Empirical evidence in world commodity markets over the past 25 years: Poverty research wor. Pap. Ser. 1815. World Bank, Washington, DC.
- Morris, J. 2007. Water policy, economics and the EU framework Directive. *In* J. Pretty (ed) Handbook for environmental management. Sage Publ., London.
- Morris, J., J. Mills, and I.M. Crawford. 2000. Promoting farmer uptake of agrienvironment schemes: The countryside stewardship arable options scheme. *Land Use Policy* 17:241-254.
- Morris, J. and H. Wheeler. 2006. Catchment land use. *In* C.R. Thorne et al. (ed) Future flood and coastal erosion risk. Thomas Telford, London.
- Murray, D. 2005. Oil and food: A rising security challenge. Earth Policy Inst., Washington DC.
- NAFTA-CEC (Commission for Environmental Cooperation). 2004. Maize and biodiversity: The effects of transgenic maize in Mexico: Key findings and recommendations. Commission for Environ. Coop., Montreal.
- Nakada, M. 2006. Distributional conflicts and the timing of environmental policy. *Int. Environ. Agreements* 6:1.
- Napper, D. 2006. Hygiene in food factories of the future. Proc. (CD-ROM). Food Factory for the Future, Goteborg, Sweden.
- Narayan, D. 1999. Bonds and bridges: Social capital and poverty. Rep. No. 2167. World Bank, Washington DC.
- National Academy of Sciences. 2000. The future role of pesticides in US agriculture: Report of the board on agriculture committee. Nat. Acad. Press, Washington DC.
- Neal, C., W.A. House, H.P. Jarvie, M. Neal, L. Hill, and H. Wickham. 2005. Phosphorus concentrations in the river Dun, the Kennet and Avon Canal and the river Kennet, southern England. *Sci. Total Environ.* 344:107-128.
- Nevins, J. 2002. Operation gatekeeper: The rise of the illegal alien and the remaking of the U.S. Mexico boundary. Routledge, London.

Draft—not for citation

- Niskanen, A., and J. Väyrynen (ed) 1999. Regional forest programmes. Proc. 32.240. EFI, Finland.
- NRC (National Research Council). 2001. Envisioning the agenda for water resources research in the twenty-first century. The Nat. Acad. Press, Washington DC.
- NRC. 2004. Confronting the nation's water problems: The role of research. The Nat. Acad. Press, Washington DC.
- NRC. 2007. The new science of metagenomics: Revealing the secrets of our microbial planet. Committee on Metagenomics. Nat. Acad. Sciences, Washington DC.
- O'Connell, P.E., K.J. Beven, J.N. Carney, R.O. Clements, J. Ewen, H. Fowler et al. 2004. Review of impacts of rural land use and management on flood generation, part A: Impact study report. DEFRA, London.
- OACC (Organic Agriculture Centre of Canada). 2007. Available at http://www.organicagcentre.ca/index_e.asp. OACC, Truro, Nova Scotia.
- OECD. 1995a. The state of agricultural knowledge systems in OECD member countries: A synthesis report. AGR/REE(95)3. OECD, Paris.
- OECD. 1995b. First Joint Conf. of Dir. and Reps. of Agric. Research, Agric. Advisory Services and Higher Ed. in Agriculture. Conf. Summary. Paris, 4-8 Sep. 1995. AGR/CA 95:22. OECD, Paris.
- OECD. 2000. Second Conf. of Dir. and Reps. of Agric. Knowledge Systems (AKS): Summary Report, Paris. 10-13 Jan. 2000. AGR/CA 2000:1. OECD, Paris.
- OECD. 2006. Environment, water resources and agricultural policies: Lessons from China and OECD countries. OECD, Paris.
- OECD/CERI. 1998. Human capital investment. OECD, Paris.
- OECD/FAO. 2007. Agricultural outlook 2007-2016. OECD, Paris.
- OFT. 2006. The grocery market: The OFT's reasons for making a reference to the competition commission. Available at http://www.of.gov.uk/shared_of/reports/comp_policy/oft845.pdf. Off. Fair Trading, London.
- Olesen, J.E. and M. Bindi. 2002. Cosequences of climate change for European agricultural productivity, land use and policy. Eur. J. Agron. 16:239-262.
- Opara, L.U. 2003. Traceability in agriculture and food supply chain: A review of basic concepts, technological implications, and future prospects. J. Food Agric. Environ. 1:101-106.
- Ostrom, E. 2003. How types of goods and property rights jointly affect collective action. J. Theor. Politics 15:239-270.
- Padel, S., and P. Midmore. 2005. The development of European market for organic products: Insights from a Delphi study. Brit. Food J. 107:8:626-647.

- Parrott, L., and R. Kok. 2000. Use of an object-based model to represent complex features of ecosystems. Proc. Int. Conf. Complex Syst. 3rd. Nashua, NH. 21-26 May 2000. New England Complex Syst. Inst., NH.
- Pauly, D., J. Alder, E. Bennett, V. Christensen, P. Tyedmers, and R. Watson. 2003. Viewpoint: The future for fisheries. *Science* 302:1359–1361.
- Pauly, D., R. Watson, and J. Alder. 2005. Global trends in world fisheries: Impacts on marine ecosystems and food security. *R. Soc. London Phil. Trans. Biol. Sci.* 360:5-12.
- Pauly, D., V. Christensen, S. Guénette, T.J. Pitcher, U.R. Sumaila, C.J. Walters et al. 2002. Towards sustainability in world fisheries. *Nature* 418:689-695.
- PCFFF. 2002. Farming and food: A sustainable future. Rep. Policy Commission on the Future of Farming and Food (The Curry Report). [Online]. Available at <http://archive.cabinetoffice.gov.uk/farming/pdf/PC%20Report2.pdf>. Cabinet office, UK Gov., London.
- Pearce, D., and E.D. Barbier. 2000. Blueprint for a sustainable economy. Earthscan, London.
- Phillipson J., and A. Liddon. 2007. Common knowledge: An exploration of knowledge transfer. RELU briefing paper 6 [Online]. Available at <http://www.relu.ac.uk/news/briefings.htm>. UK Res. Councils, London.
- Pimentel, D., and M. Giampietro. 1994. Food, land and population and the US economy. Carrying Capacity Network, Washington DC.
- Pimentel, D., L. Lach, R. Zuniga, and D. Morrison. 2000. Environmental and economic costs of nonindigenous species in the United States. *BioScience* 50:53-65.
- Plants for the Future (The European Technology Platform). 2005. 2025: A European vision for plants genomics and biotechnology [Online]. Available at <http://www.epsoweb.org/catalog/tp>. European commission, Luxembourg.
- Polaski, S. 2006. Winners and losers: Impact of the Doha round on developing countries. Carnegie Endowment Int. Peace, Washington DC.
- Porter, G., J.W. Brown, and P. Chasek. 2006. Global environmental politics. 4th ed. Westview, Boulder.
- Pretty, J.N. 1998. The living land: Agriculture, food and community regeneration in rural Europe. Earthscan, NY.
- Pretty, J.N., A.S. Ball, T. Lang, and J.I.L. Morison. 2005. Food costs and food miles: An assessment of the full cost of the UK weekly food basket. *Food Policy* 30:1-19.
- Pretty, J.N., D. Brett, D. Gee, R.E. Hine, C.F. Mason, J.I.L. Morison et al. 2000. An assessment of the total external costs of UK agriculture. *Agric. Syst.* 65:113-136.
- Raison, R.J., A.G. Brown, and D.W. Flinn (ed) 2001. Criteria and indicators for sustainable forest management. CABI Publ., Wallingford.
- Rametsteiner, E. 2000. Sustainable forest management certification. MCPFE, Vienna.

- Rauscher, H.M. 1999. Ecosystem management decision support for federal forests in the United States: A review. *Forest Ecol. Manage.* 114:173-197.
- Rees, W.E. 1992. Ecological footprints and appropriated carrying capacity: What urban economics leaves out. *Environ. Urban* 4:121-130.
- Reich P.B., D. Tilman, S. Naeem, D.S. Ellsworth, J. Knops, J. Craine et al. 2004. Species and functional group diversity independently influence biomass accumulation and its response to CO₂ and N. *PNAS* 101:10101-10106.
- Reijntjes, C.B., B. Haverkort, and A. Waters-Bayer. 1992. *Farming for the future*. MacMillan Press, London.
- Richardson, D.P., T. Affertsholt, N.-G. Asp, S. Bruce, R. Grossklaus, J. Howlett et al. 2003. PASSCLAIM - Synthesis and review of existing processes. *Eur. J. Nutr.* 42(Sup1):96-111.
- Rizzo, D.M., M. Garbelotto, and E.M. Hansen. 2005. *Phytophthora ramorum*: Integrative research and management of an emerging pathogen in California and Oregon forests. *Ann. Rev. Phytopathol.* 43:309-335.
- Roberfroid, M.B. 2002. Global view on functional foods: European perspectives. *Brit. J. Nutr.* 88:S133-S138.
- Rogers, E.M. 2003. *Diffusion of innovations*. 5th ed. Free Press, NY.
- Rollin, B.E. 1995. *The Frankenstein syndrome: Ethical and social issues in the genetic engineering of animals*. Cambridge studies in philosophy and public policy. Cambridge Univ. Press, UK.
- Rosendal, G.K. 2006. The convention on biological diversity: Tensions with the WTO TRIPS agreement over access to genetic resources and the sharing of benefits. *In* S. Oberthur and T. Gehring (ed) *Institutional interaction in global governance*. MIT Press, Cambridge.
- Rosegrant, M.W., X. Cai, and S.A. Cline. 2002. *World water and food to 2025: Dealing with scarcity*. IFPRI, Washington DC.
- Roth, D., R. Boelens, and M. Zwarteveen (ed) 2005. *Liquid relations: Contested water rights and legal complexity*. Rutgers Univ. Press, Piscataway NJ.
- RS and RAE (Royal Soc. Royal Acad. Engineering). 2004. *Nanoscience and nanotechnologies: Opportunities and uncertainties*. The Royal Society, London.
- Ruellan, A. 2000. Morphology of the soil cover. p. 49-52. *In* I. Kheoruenromne and S. Theerawong (ed) *Proc. Int. Symp. Soil Sci.: Accomplishments and changing paradigms toward the 21st century*. Bangkok.
- Ruellan, A. 2005. Classification of pedological systems: A challenge for the future of soil science. *Ann. Agrarian Sci.* 3:24-28.
- Ryan, B., and N.C. Goss. 1943. The diffusion of hybrid seed corn in two Iowa communities. *Rural Soc.* 8:15-24.

- Sachs, I. 2002. Development and ethics: Whither Latin America? National development strategies in the globalization age. Proc. IDB meeting on ethics and development. Buenos Aires. 5-6 Sep. 2002 [Online]. Available at http://www.iadb.org/Etica/Documentos/ar2_sac_desar_i.pdf. Inter-American Dev. Bank, Washington DC.
- Salamanca-Buentello, F., D.L. Persad, E.B. Court, D.K. Martin, A.S. Daar, and P.A. Singer. 2005. Nanotechnology and the developing world [Online]. Available at <http://www.issues.org/21.4/singer.html>. PLoS Med 2:4:e97.
- Salman, M.D. 2004. Controlling emerging diseases in the 21st century. *Prev. Vet. Med.* 62:177-184.
- Samson, R., M. Sudhagar, R. Boddey, S. Shahab, D. Quesada, S. Urquiaga et al. 2005. The potential of C-4 perennial grasses for developing global BIOHEAT industry. *Critical Rev. Plant Sci.* 24:461-495.
- Sankoff, D., and J.H. Nadeau (ed) 2000. *Comparative genomics: Empirical and analytical approaches to gene order dynamics, map alignment and the evolution of gene families.* Kluwer Acad. Press, Dordrecht.
- Saunders, C., A. Barber, and G. Taylor. 2006. Food miles: Comparative energy/emissions: Performance of New Zealand's agriculture industry. Res. Rep. 258. Lincoln Univ. Agribusiness Econ. Res. Unit, New Zealand.
- Savvas, D., and H. Passam. 2002. *Hydroponics production of vegetables and ornamentals.* Embryo Publ., Athens.
- SCENIHR (Sci. Committee on Emerging and Newly Identified Health Risks). 2005. Opinion on the appropriateness of existing methodologies to assess the potential risk associated with engineered and adventitious products of nano-technologies [Online]. Available at http://ec.europa.eu/health/ph_risk/documents/synth_report.pdf. European Commission, Luxembourg.
- Schmer, M.R., K.P. Vogela, R.B. Mitchella, L.E. Moserc, K.M. Eskridgeb, and R.K. Perrind. 2006. Establishment stand thresholds for switchgrass grown as a bioenergy crop. *Crop Sci.* 46:157-161.
- Schneider, J. 2004. *The role of social capital in building healthy communities.* Casey Foundation, Baltimore MD.
- Scoones, I. 1998. *Sustainable rural livelihoods: A framework for analysis.* IDS Working Pap. 72. Univ. Sussex, Inst. Dev. Studies, Brighton, UK.
- SEENET (South and East European Ecological Network). 2007. [Online]. Available at <http://www.seenet.info/>. SEENET, the Netherlands.
- Seguin B., N. Brisson, D. Loustau, and J.L. Dupouey. 2005. Impact du changement climatique sur l'agriculture et la forêt. (In French). *In L'homme face au climat? Actes du symposium du Collège de France, Paris.* 12-13 Oct. 2004. Odile Jacob, Paris.

- Seguin et al. 2005. Moderating the impact of agriculture on climate. *Agric. For. Meteorol.* 142:2-4.
- Sen, A. 1981. *Poverty and famines, an essay on entitlement and deprivation.* Clarendon Press, Oxford.
- Shani Z., M. Dekel, G. Tzbary, C.S. Jensen, T. Tzfira, R. Goren et al. 1999. Expression of *Arabidopsis thaliana* endo-1,4-beta-glucanase (cel1) in transgenic plants. *In* A. Altman et al (ed) *Plant biotechnology and in vitro biology in the 21st century.* Kluwer Acad. Publ., Dordrecht.
- Shlyk-Kerner, O., I. Samish, D. Kaftan, N. Holland, P.S. Sai, H. Kless et al. 2006. Protein flexibility acclimatizes photosynthetic energy conversion to the ambient temperature. *Nature* 442:827-830.
- Slee, B., and F. Wiersum (ed) 2001. *New opportunities for forest-related rural development.* *Forest Policy Econ.* 3:1-4
- Smith, A., P. Watkiss, G. Tweddle, A. McKinnon, M. Browne, A. Hunt et al. 2005. *The validity of food miles as an indicator of sustainable development.* Report to UK Gov. DEFRA. AEA Tech. Environ. Didcot, Oxford.
- Snow, A.A., D.A. Andow, P. Gepts, E.M. Hallerman, A. Power, J.M. Tiedje et al. 2005. *Genetically engineered organisms and the environment: Current status and recommendations.* *Ecol. Appl.* 15:377-404.
- Sokratous, G. 2003. *Integrated water resources planning Cyprus: Conf. Int. Water Manage. Policy.* Nicosia-Cyprus. 19-21 June 2003. Agric. Res. Inst., Cyprus.
- SOFIA. 2006. *State of fisheries and aquaculture.* FAO, Rome.
- SOMO (Centre for Res. Multinational Corporations). 2006. *Who reaps the fruit? Critical issues in the fresh fruit and vegetable chain.* SOMO, Amsterdam.
- Soule, J., and J.K. Piper. 1992. *Farming in nature's image: An ecological approach to agriculture.* Island Press, Washington DC.
- Sourie, J.C., D. Tréguer, S. Rozakis. 2005. *L'ambivalence des filières biocarburants (In French).* *In* INRA Sciences Sociales 2. Ivry-sur-Seine. INRA, Paris.
- Soussana, J.F., S. Saletes, P. Smith, R. Schils, S. Ogle, M.C. Amezquita et al. 2004. *Greenhouse gas emissions from European grasslands. CarboEurope-Greenhouse Gases. Specific study 3.* INRA, Clermont-Ferrand, France.
- Srivastava, N., J.H. Smith, and D.A. Forno (ed) 1996. *Biodiversity and agricultural intensification: Partners for development and conservation.* World Bank, Washington DC.
- Stephen, R.T. 2006. *Comanagement of natural resources: Local learning for poverty reduction.* IDRC, Ottawa.
- Stern, N. 2006. *The Stern review: The economics of climate change.* HM Treasury, UK Gov., London.

- Stiglitz, J. 2006. Political organization of the world, will it contribute to the general interest of the planet (In French.) *In* M. Albin (ed) *L'avancée des biens publics: Politique de l'intérêt général et mondialisation*. France.
- Stolze, M., A. Piorr, and S. Dabbert. 2000. The environmental impacts of organic farming in Europe: Economics and Policy, 4. Univ. Hoheneim, Germany.
- Stout, B.A. 1991. Handbook of energy for world agriculture. Elsevier, NY.
- Straughan, R. 1999. Ethics, morality and animal biotechnology. Biotech. Biol. Sci. Res. Council, Swindon.
- Stringham, G.E., and W.R. Walker. 1987. Surge flow: Automation of surface irrigation, at last. *In* L.G. James and M.J. English (ed) *Irrigation systems for the 21st Century*. Am. Soc. Civil Engineers Press, New York.
- Strochlic, R. and K. Hamerschlag. 2006. Best labor practices on twelve California farms: Toward a more sustainable food system. California Inst. Rural Studies, Davis CA.
- Sutherland, W.J., S. Armstrong-Brown, P.R. Armsworth, T.Brereton, J. Brickland, C.D. Campbell et al. 2006. The identification of 100 ecological questions of high policy relevance in the UK. *J. Applied Ecol.* 43(4):617-627.
- Sylvester-Bradley, R., and J. Wiseman (ed) 2005. Yields of farmed species, constraints and opportunities in the 21st century. Nottingham Univ. Press, UK.
- Tabary, J.C. 1993. Théorie de la connaissance et autonomie biologique [Online] (in French). Available at <http://cerveau.pensee.free.fr/these/Tabary-these.pdf>.
- Tamara, K. 2006. Climate change and the credibility of international commitments: What is necessary for the U.S. to deliver on such commitments? *Int. Environ. Agreements* 6:3.
- Tetali, S.D., M. Mitra, and A. Melis. 2006. Development of the light-harvesting chlorophyll antenna in the green alga *chlamydomonas reinhardtii* is regulated by the novel Ta1 gene. *Planta* 225:813-829.
- Thies, C., and T. Tschardtke. 1999. Landscape structure, and biological control in agroecosystems. *Science* 285:893-895.
- Thirtle, C., and J. Holding. 2003. Productivity in UK agriculture: Causes and constraints. DEFRA, and Univ. London, Wye, Kent.
- Thirtle, C., J. Piesse, and V. Smith (eds) 1999. Agricultural R&D policy in the United Kingdom. *In* J. Alston et al. (ed) *Paying for productivity: Financing R&D in the rich countries*. Johns Hopkins Univ. Press, Baltimore MD.
- Thompson, R.C.A. 2000. Molecular epidemiology: Applications to problems of infectious disease. p. 1-4. *In* R.C.A. Thompson (ed) *Molecular epidemiology of infectious diseases*. Arnold, London.
- Thompson, R.C.A. 2001. The future impact of societal and cultural factors on parasitic disease: Some emerging issues. *Int. J. Parasitol.* 31:949-959.

- Thorne, C.R., E.P. Evans and E. Penning-Rowsell. 2006. Future flooding and coastal erosion risks. Thomas Telford, London.
- Tietenberg, T. 2003. Environmental and natural resource economics. 6th ed. Addison Wesley, NY.
- Tikkanen, I., P. Glück and B. Solberg (ed) 1997. Review of forest policy issues and policy processes. EFI Proc.12. EFI, Finland.
- Tikkanen, I., P. Glück and H. Pajuoja (ed) 2002. Cross-sectoral policy impacts on forests: EFI Proc. 46. EFI, Finland.
- Tracy, B.F., and D.B. Faulkner. 2006. Pasture and cattle responses in rotationally stocked grazing systems sown with differing levels of species richness. *Crop Sci.* 46:2062-2068.
- Trawick, P. 2006. Sustainable development as a “collective choice” problem: Theoretical and practical implications. Rep. SD14003. Defra, London, UK.
- Trujillo, E., C. Davis and J. Milner. 2006. Nutrigenomics, proteomics, metabolomics, and the practice of dietetics. *J. Am. Diet Assoc.* 106:403-413.
- Tsujimura, S., A. Wadano, K. Kano, and T. Ikeda. 2001. Photosynthetic bioelectrochemical cell utilizing cyanobacteria and water-generating oxidase. *Enzyme and microbial technology* 29:225-231.
- Turner, R.K., R. Brouwer, and S. Georgiou. 2001. Ecosystems functions and the implications for economic valuation: Res. Rep. 441. English Nature, Peterborough, UK.
- Tyler, S.R. 2006. Comanagement of natural resources: Local learning for poverty reduction. IDRC, Ottawa.
- UK Food Group. 2005. EU competition rules and future developments from the perspective of farmers and small suppliers. UK Food Group, London.
- UN SEEA (UN System Econ. Environ. Accounting). 2003. Integrated environmental and economic accounting. Available at <http://unstats.un.org/unsd/envaccounting/seea.asp>. UN Stat. Division, NY.
- UNCTAD. 2006. Tracking the trend towards market concentration: The case of the agricultural input industry. Proc. UN Conf. Trade and Dev., Geneva. 20 Apr. 2006. Available at http://www.unctad.org/en/docs/ditccom200516_en.pdf. UN, NY.
- UNECA (United Nations Economic Commission for Africa). 2002. Harnessing technology for sustainable development. Available at <http://www.uneca.org/harnessing/>. UNECA, Addis Ababa.
- UNECE-FAO. 2005. European forest sector outlook study 1960-2000-2020. UNECE-FAO, Geneva.
- USHHS and USDA. 2005. Dietary guidelines for Americans. 6th ed. Available at <http://www.healthierus.gov/dietaryguidelines/>. USHHS and USDA, Washington DC.

- USDA. 2007. National organic program in United States of America. Available at <http://www.ams.usda.gov/nop/indexIE.htm>. USDA, Washington DC.
- Van Crowder, L. 1997. Women in agricultural extension, education and communication service (SDRE). FAO, Geneva.
- Van der Ploeg and H. Renting. 2000. Impact and potential: A comparative review of European rural development practices. *Sociol. Ruralis* 40:4:529-543.
- Van Ruijven, J., and F. Berendse. 2005. Diversity-productivity relationships: Initial effects, long-term patterns, and underlying mechanisms. *PNAS* 102:695-700.
- Van Camp, L., B. Bujarrabal, A.R. Gentile, R.J.A. Jones, L. Montanarella, C. Olazabal et al. 2004. Reports of the technical working groups established under the thematic strategy for soil protection. Off. Official Publ. European Communities, Luxembourg.
- Vandermeer, J. 1995. The ecological basis of alternative agriculture. *Ann. Rev. Ecol. Syst.* 26:201-224.
- VanWey, L.K., C. Tucker, and E.D. McConnell. 2005. Community organization, migration, and remittances in Oaxaca. *Latin Am. Res. Rev.* 40(1):83-106.
- Viana, V., H. Gholz, and R. Donovan (ed) 1996. Certification of forest products: Issues and perspectives. Island Press, Washington DC.
- Visser, B., D. Eaton, N. Louwaars and J. Engels. 2000. Transaction costs of germplasm exchange under bilateral agreements: Background Study Pap. 14. Available at <ftp://ftp.fao.org/ag/cgrfa/BSP/bsp14e.pdf>. FAO, Geneva.
- Vorley B., 2003. Food, Inc.: Corporate concentration from farm to consumer. UK Food Group, London.
- Wackernagel, M., and W.E. Rees. 1995. Our ecological footprint: Reducing human impact on the Earth. New Society Publ., Philadelphia PA.
- Warheit, D.B. 2004. Nanoparticles: Health impacts? *Materials Today* 7:32-35.
- Warschauer, M. 1999. Electronic literacies: Language, culture, and power in online education. Lawrence Erlbaum Assoc., Mahwah NJ.
- Waterland, R.A., and C. Garza. 1999. Potential mechanisms of metabolic imprinting that lead to chronic disease. *Am. J. Clin. Nutr.* 69:179-197.
- Watson, R.T, M.C. Zinyowera, and R.H. Moss (ed) 1997. The regional impacts of climate change: An assessment of vulnerability. A special report of IPCC working group II. Cambridge Univ. Press, UK.
- WHO. 1998. The world health report 1998: Health futures: Life in the 21st century. WHO, Geneva.
- WHO. 2003. Diet, nutrition and the prevention of chronic diseases. Tech. Rep. Ser. 916. WHO, Geneva.

- WHO. 2005. Modern food biotechnology, human health and development: An evidence based study. WHO, Geneva.
- Wiley, H.S. 2006. Systems biology: Beyond the buzz. *The Scientist* 2006:53-57.
- Williams, A.G., E. Audsley and D.L. Sandars. 2006. Determining the environmental burdens and resource use in the production of agricultural and horticultural commodities: Main Rep. Defra Res. Project IS0205. Bedford, UK.
- Windhab, E. 2006. Engineering concept for TMF. Lufost, Nantes, France.
- Wolfensohn, J.D. and F. Bourguignon. 2004. Development and poverty reduction: Looking back, looking ahead. Prep. 2004 World Bank, IMF Meeting. Available at <http://www.worldbank.org/ambc/lookingbacklookingahead.pdf>. World Bank, Washington DC.
- World Bank. 2004a. The CGIAR at 31. World Bank, Washington DC.
- World Bank. 2004b. IK (Indigenous Knowledge) Notes, 2004: Marking five years of the World Bank indigenous knowledge for development program. Washington, DC.
- World Bank. 2007. Enhancing agricultural innovation: How to go beyond the strengthening of research systems. World Bank, Washington DC.
- World Bank. 2008. World development report: Agriculture for development. World Bank, Washington, DC.
- Youdeowei, A. 2007. Building Africa's human and institutional capacity for the agricultural industry to meet its potential to contribute to the achievement of the MDGs. *In Proc. FARA 4th Gen. Assembly*. Johannesburg. 10-16 Jun 2007. FARA, Accra.
- Young, J.G., B. Eskenazi, E.A. Gladstone, A. Bradman, L. Pedersen, C. Johnson et al. 2005. Association between in utero organophosphate pesticide exposure and abnormal reflexes in neonates. *Neurotoxicology* 26(2):199-209.
- Young, V.R. 2002. Human nutrient requirements: The challenge of the post-genome era. *J. Nutr.* 132:621-629.
- Zang, W.X. 2003. Nanoscale iron particles for environmental remediation: An overview. *J. Nanoparticle Res.* 5:323-332.