

David I. Stern

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Professional Experience

- 2011- Professor, Crawford School of Economics and Government, *Australian National University*.
- 2011 Associate Professor, Crawford School of Economics and Government, *Australian National University*.
- 2009-2010 Fellow, Arndt-Corden Division of Economics, Crawford School of Economics and Government, *Australian National University*.
- 2002-2007 Associate Professor, Department of Economics, *Rensselaer Polytechnic Institute*.
- 1996-2002 Research Fellow, Centre for Resource and Environmental Studies, *Australian National University*.
- 1995-1996 Assistant Professor, Center for Energy and Environmental Studies and Department of Geography, *Boston University*.
- 1993-1994 Research Fellow, Department of Environmental Economics and Environmental Management, *University of York*.
- 1993 Lecturer, Department of Geography, *Boston University*
- 1990 Research Analyst, *DP3 Ltd*, London.

Current Professional Activities

- 2012- Research director, Crawford School of Economics and Government.
- 2010- Lead author, IPCC Working Group III, 5th Assessment Report, Chapter 5: "Drivers, Trends, and Mitigation".
- 2010- Research Associate, *Centre for Climate Economics and Policy, Crawford School, Australian National University*.
- 2009- Research Associate, *Climate Change and Energy Program, Centre for Applied Macroeconomic Analysis, Australian National University*.
- 2002- Associate Editor, *Ecological Economics*.

Qualifications

- 1990-94 *Boston University*, Ph.D. Geography.
- 1988-89 *London School of Economics*, M.Sc. Geography.
- 1985-88 *The Hebrew University of Jerusalem*, B.A. Geography and Economics.

Research Funding: Last 10 Years

- 2012-14 *Australian Research Council*, Discovery Project (DP120101088). "Energy Transitions: Past Present and Future" (co-CI's: Chunbo Ma, UWA; Jack Pezzey, ANU; PI: Astrid Kander, Lund U.), \$A240,000.
- 2009-10 Modelling the Global Diffusion of Energy Efficiency and Low-Carbon Technology. *Department of Environment and Water Resources under the Commonwealth Environment Research Facility*. \$A90,000. Period funded: February 2009 – February 2010.

- 2004-06 The Effect of NAFTA on Energy and Environmental Efficiency in Mexico, *Commission for Environmental Cooperation*, Third North American Symposium on Assessing the Environmental Effects of Trade, US\$12,000. Period funded: November 2004 – February 2006.
- 2004 Economic Development and Emissions of Radiatively Important Pollution, *United States Environmental Protection Agency*, Clean Air Markets Division, US\$25,609. Period funded: 1 March 2004 – 31 August 2004.

Other Consultancies

Bureau of Resource and Energy Economics, U.S. EPA.

Research Travel/Visits: Last 10 Years

- 2010 Institute of Economic Research, Lund University.
 2004 Department of Environmental Science, University of Lancaster.
 2002 Woodrow Wilson School, Princeton University.

Courses Taught

ANU

- POGO8016 The Economic Way of Thinking I – 1st Semester 2011 and 2012.
 CRWF8000 Governments, Markets and Global Change 2nd Semester 2012. Global change lectures.

Rensselaer Polytechnic Institute

- ECON1200 Introductory Economics – Spring 2005, 2006, and 2007.
 ECON2010 Managerial Economics – Fall 2002, Spring 2003 – two sections, Fall 2003, Spring 2004, Fall 2004, Spring 2005, Fall 2005, Fall 2006, Spring 2007.
 ECON4230/6230 Environmental Economics and Advanced Environmental Economics – Fall 2002, Fall 2003, Fall 2004, Fall 2005, Fall 2006 (ECON6230 only).
 ECON4250/6250 Ecological Economics and Advanced Ecological Economics – Spring 2004, Spring 2006.

Boston University

- EE504 International Environmental and Resource Management - Fall 1995
 GG102 Introduction to Human Geography: The Cultural Landscape - Summer 1993 and Fall 1995.
 GG201 World Regional Geography: The Old World - Spring 1995 and 1996.
 GG304 Alternative Energy and Environmental Futures - Spring 1995 and 1996.
 GG101 Natural Environments: The Atmosphere - lab sections - Summer and Fall 1991, Summer 1992.

Administration and Program Development

Research director, Crawford School of Economics and Government, 2012-.
 Director, Economics Graduate Program, RPI, 2004-07.

Graduate program development officer, Department of Environmental Economics and Environmental Management, University of York, 1993-94.

Graduate Student Research Advising

In addition to supervising a number of masters and undergraduate theses I have participated in advising, supervising, and examining the following doctoral students:

ANU 2009- :

Patrick Doupe, Paul Burke, Hyung Sup Lee, Mohammed Shahiduzzaman (USQ).

Rensselaer Polytechnic Institute 2002-2007:

Nat Springer, Carlos Lopez-Morales, Sung Kim, Ran Zhang, Chunbo Ma, Erich Schienke, Jaimie Galayda, Sorin Krammer, Mary-Ellen Mallia, Marsha Walton, Roxana Julia, Judith Kallo, Quentin Duroy, Raluca Iorgulescu, Gregory Stella, Andrew Bahn, and Graham Cox.

ANU 1996-2002:

Muhammad Akmal, Robin Connor, Simon Niemeyer, Rosemary James, and Ross Lambie.

Other PhD Examination Committees:

Nicholas Ngepah, Energy and Development, University of Cape Town 2010.

Yi-Chia Wang, School of Economics, Australian National University 2008.

Mattias Ankarhem, Faculty Opponent, Department of Economics, University of Umeå, 2005.

Paritosh Ghosh, Department of Economics, University of Sydney, 2003-2004.

Saowalak Roongtawanreongsri, Centre for Resource and Environmental Studies, Australian National University, 2000.

Natalie Stoeckl, Economics, Australian National University, 1999.

Felix Ammah-Tagoe, Geography, Boston University, 1995.

Editing and Refereeing

Associate Editor of *Ecological Economics*, 2002-.

Advisory Panel for the Commission for Environmental Cooperation 2005 Symposium.

Scientific Advisory Committee of the ISEE 2004 conference. Reviewed abstracts for ISEE 2010 conference.

Initiated and ran three working paper series: *CEES Working Paper Series* (at CEES, Boston University), *Working Papers in Ecological Economics* (at CRES, ANU) and *Rensselaer Working Papers in Economics*. Currently editor of *CCEP Working Papers*.

Refereeing: Journals

Agricultural Economics, American Journal of Agricultural Economics, Annals of Regional Science, Applied Economics, Area, Atmospheric Environment, Australian Economic Papers, Australian Journal of Environmental Management, Australian Journal of Agricultural and Resource Economics, BMC Ecology, Bulletin of Indonesian Economic Studies, Climate Policy, Climatic Change, Comparative Political Studies, Computational Statistics and Data Analysis, Contemporary Economic Policy, Ecological Economics, Ecological Economics Reviews, Economic Geography, Economic History Review, Economics Bulletin, Energy

Economics, Energy Journal, Energy Policy, Environmental Research Letters, Environmental and Resource Economics, Environmental Economics and Policy Studies, Environment and Development Economics, Environment International, Environmental Management, Environmental Modelling and Software, Environment and Planning A, Geographical and Environmental Modelling, Global Environmental Change, International Journal of Environment and Pollution, International Journal of Environmental Research and Public Health, Journal of Applied Economics, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of Economic Growth, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Environment and Development, Journal of Industrial Ecology, Journal of Productivity Analysis, Nature, Nature Climate Change, Oxford Economic Papers, Papers in Regional Science, Physica A, Portuguese Economic Journal, Progress in Development Studies, Resource and Energy Economics, Review of Agricultural and Environmental Studies, Review of Economics and Statistics, Social Science Quarterly, Structural Change and Economic Dynamics, Tellus B, Urban Studies, and World Development.

Refereeing: Book Publishers:

World Resources Institute, Edward Elgar, Addison-Wesley, Elsevier, Palgrave-Macmillan.

Refereeing: Research Funding Agencies:

Social Science and Humanities Research Council of Canada, U.S. National Science Foundation, and the Research Promotion Foundation of the Republic of Cyprus.

Reviewing: Government Bodies:

Great Barrier Reef Marine Park Authority, U.S. Environmental Protection Agency.

Tenure and Promotion:

Two US universities.

Conference Organization

Lead member of the organizing committee of ISEE 2000 biennial conference in Canberra. Member of organizing committee of ISEE 1996 biennial conference in Boston.

Professional Societies

Member of: International Society for Ecological Economics (and Australia-New Zealand Society for Ecological Economics), International Association for Energy Economics, Australian Agricultural and Resource Economics Society. Treasurer of the Australia New Zealand Society for Ecological Economics 1998 to 2002 and 2009-2011.

Publications, Presentations, and Media Coverage

Citations and Rankings

> 5000 citations in Google Scholar (h-index = 28). > 3000 counted citations (from Web of Science, Scopus, and Google Scholar) in refereed journals and books (h-index = 24). 1300 articles in the ISI database cite my work (h-index = 19). Scopus citations > 2000, h-index = 19. Ranked in the top 1% for working paper downloads and abstract views in the last 12

months in the RePEc database. Ranked in the top 3% of Australian economists and the top 4% of economists globally by a composite of 31 ranking methods.

Journal Articles

Stern D. I., J. C. V. Pezzey, and N. R. Lambie (in press) Where in the world is it cheapest to cut carbon emissions? *Australian Journal of Agricultural and Resource Economics*.

Stern D. I. (2012) Interfuel substitution: A meta-analysis, *Journal of Economic Surveys* 26(2).

Stern D. I. and A. Kander (2012) The role of energy in the industrial revolution and modern economic growth, *Energy Journal* 33(3), 127-154.

Stern, D. I., P. W. Gething, C. W. Kabaria, W. H. Temperley, A. M. Noor, E. A. Okiro, G. D. Shanks, R. W. Snow, and S. I. Hay (2011) Temperature and malaria trends in highland East Africa, *PLoS ONE* 6(9), e24524.

Stern D. I. (2011) Elasticities of substitution and complementarity, *Journal of Productivity Analysis* 36(1), 79-89.

Stern D. I. (2011) The role of energy in economic growth, *Annals of the New York Academy of Sciences* 1219, 26-51.

Stern D. I. and F. Jotzo (2010) How ambitious are China and India's emissions intensity targets? *Energy Policy* 38(11), 6776-6783.

Stern D. I. (2010) Between estimates of the emissions-income elasticity, *Ecological Economics* 69, 2173-2182.

Stern D. I. (2010) Derivation of the Hicks, or direct, elasticity of substitution from the input distance function, *Economics Letters* 108, 349-351.

Stern D. I. (2010) Energy quality, *Ecological Economics* 69(7), 1471-1478.

Ma C. and D. I. Stern (2008) Biomass and China's carbon emissions: A missing piece of carbon decomposition, *Energy Policy* 36(7), 2517-2526.

Ma C. and D. I. Stern (2008) China's changing energy intensity trend: a decomposition analysis, *Energy Economics* 30(3), 1037-1053.

Stern D. I. (2007) The effect of NAFTA on energy and environmental efficiency in Mexico, *Policy Studies Journal* 35(2), 291-322.

Stern D. I. (2006) An atmosphere-ocean multicointegration model of global climate change, *Computational Statistics and Data Analysis* 51(2), 1330-1346.

Ma C. and D. I. Stern (2006) Environmental and ecological economics: a citation analysis, *Ecological Economics* 58(3), 491-506.

Stern D. I. (2006) Reversal in the trend of global anthropogenic sulfur emissions, *Global Environmental Change* 16(2), 207-220.

Stern D. I. (2005) Beyond the environmental Kuznets curve: Diffusion of sulfur-emissions-abating technology, *Journal of Environment and Development* 14(1), 101-124.

Stern D. I. (2005) Global sulfur emissions from 1850 to 2000, *Chemosphere* 58, 163-175.

- Costanza R., D. I. Stern, B. P. Fisher, L. He, and C. Ma (2004) Influential publications in ecological economics: a citation analysis, *Ecological Economics* 50, 261-292.
- Stern D. I. (2004) The rise and fall of the environmental Kuznets curve, *World Development* 32(8), 1419-1439.
- Perman R. and D. I. Stern (2003) Evidence from panel unit root and cointegration tests that the environmental Kuznets curve does not exist, *Australian Journal of Agricultural and Resource Economics* 47, 325-347.
- Shanks G. D., S. I. Hay, D. I. Stern, K. Biomndo, and R. W. Snow (2002) Meteorological influences on *Plasmodium falciparum* malaria in the highland tea estates of Kericho, western Kenya, *Emerging Infectious Diseases* 8, 1404-1408.
- Hay S. I., D. J. Rogers, S. E. Randolph, D. I. Stern, J. Cox, G. D. Shanks, and R. W. Snow (2002) Hot topic or hot air? Climate change and malaria resurgence in East African highlands, *Trends in Parasitology* 18(12), 530-534.
- Stern D. I. (2002) Explaining changes in global sulfur emissions: an econometric decomposition approach, *Ecological Economics* 42, 201-220.
- Kaufmann R. K. and D. I. Stern (2002) Cointegration analysis of hemispheric temperature relations, *Journal of Geophysical Research* 107(D2), Article No. 4012.
- Hay S. I., J. Cox, D. J. Rogers, S. E. Randolph, D. I. Stern, G. D. Shanks, M. F. Myers, and R. W. Snow (2002). East African highland malaria resurgence independent of climate change, *Directions in Science* 1, 82-85.
- Hay S. I., J. Cox, D. J. Rogers, S. E. Randolph, D. I. Stern, G. D. Shanks, M. F. Myers, and R. W. Snow (2002) Climate change and the resurgence of malaria in the East African highlands, *Nature* 415(6874), 905-909.
- Stern D. I. and M. S. Common (2001) Is there an environmental Kuznets curve for sulfur? *Journal of Environmental Economics and Management* 41, 162-178.
- Stern D. I. and R. K. Kaufmann (2000) Detecting a global warming signal in hemispheric temperature series: a structural time series analysis, *Climatic Change* 47, 411-438.
- Perrings C. A. and D. I. Stern (2000) Modelling loss of resilience in agroecosystems: rangelands in Botswana, *Environmental and Resource Economics* 16, 185-210.
- Stern D. I. (2000) A multivariate cointegration analysis of the role of energy in the U.S. macroeconomy, *Energy Economics* 22, 267-283.
- Cleveland C. J., R. K. Kaufmann, and D. I. Stern (2000) Aggregation and the role of energy in the economy, *Ecological Economics* 32, 301-318.
- Stern D. I. (2000) Applying recent developments in time series econometrics to the spatial domain, *Professional Geographer* 52, 37-49.
- Stern D. I. (1999) Is energy cost an accurate indicator of natural resource quality? *Ecological Economics* 31, 381-394.
- Stern D. I. (1999) Use value, exchange value, and resource scarcity, *Energy Policy* 27, 469-476.

- Stern D. I. and R. K. Kaufmann (1999) Econometric analysis of global climate change, *Environmental Modelling and Software* 14, 597-605.
- Stern D. I. (1998) Progress on the environmental Kuznets curve? *Environment and Development Economics* 3, 173-196.
- Stern D. I. (1997) Limits to substitution and irreversibility in production and consumption: a neoclassical interpretation of ecological economics, *Ecological Economics* 21, 197-215.
- Kaufmann R. K. and D. I. Stern (1997) Evidence for human influence on climate from hemispheric temperature relations, *Nature* 388, 39-44.
- Stern D. I. (1997) The capital theory approach to sustainability: a critical appraisal, *Journal of Economic Issues* 31, 145-173.
- Stern D. I., M. S. Common, and E. B. Barbier (1996) Economic growth and environmental degradation: the environmental Kuznets curve and sustainable development, *World Development* 24, 1151-1160.
- Stern D. I. and R. K. Kaufmann (1996) Estimates of global anthropogenic methane emissions 1860-1993, *Chemosphere* 33, 159-176.
- Stern D. I. (1995) Measurement unit invariant coefficients in multiplicative-logarithmic functions, *Applied Economics* 27, 451-454.
- Stern D. I. (1995) The contribution of the mining sector to sustainability in developing countries, *Ecological Economics* 13, 53-63.
- Stern D. I. (1994) Accuracy of the translog function, *Applied Economics Letters* 1, 172-174.
- Stern D. I. (1994) Historical path-dependence of the urban population density gradient, *The Annals of Regional Science* 28, 197-223 and 27 (1993), 259-285.
- Cleveland C. J. and D. I. Stern (1993) Productive and exchange scarcity: an empirical analysis of the U.S. forest products industry, *Canadian Journal of Forest Research* 23, 1537-1549.
- Stern D. I. (1993) Energy use and economic growth in the USA: a multivariate approach, *Energy Economics* 15, 137-150.
- Stern D. I. (1992) Explaining UK house price inflation 1971-1989, *Applied Economics* 24, 1327-1333.
- Stern D. I. (1992) Do regions exist? Implications of synergetics for regional geography, *Environment and Planning A* 24, 1431-1448.
- Stern D. I. (1992) Population distribution in an ethno-ideologically divided city: the case of Jerusalem, *Urban Geography* 13, 164-186.
- Stern D. I. (1990) Ethno-ideological segregation and metropolitan development, *Geoforum* 21, 397-407.

Comments

Hay S. I., G. D. Shanks, D. I. Stern, S. E. Randolph, R. W. Snow, and D. J. Rogers (2005) Climate variability and malaria epidemics in the highlands of East Africa, *Trends in Parasitology* 21(2), 52-53.

Hay, S.I., J. Cox, D. J. Rogers, S. E. Randolph, D. I. Stern, G. D. Shanks, M. F. Myers, and R. W. Snow (2002) Regional warming and malaria resurgence, *Nature* 420(6916), 628.

Stern D. I. (1990) Explaining house prices: a critique, *Area* 22, 75-76.

Book Chapters

Stern D. I. (in press) Ecological economics, in: A. H. El-Shaarawi and W. W. Piegorsch (eds.) *Encyclopedia of Environmetrics*, 2nd Edition, Wiley.

Stern D. I. (2007) The elasticity of substitution, the capital-energy controversy, and sustainability, in: J. D. Erickson and J. M. Gowdy (eds.) *Frontiers In Ecological Economic Theory And Application*, Edward Elgar, Cheltenham, 331-352.

Stern D. I. (2004) The environmental Kuznets curve, in: P. Safonov and J. Proops (eds.) *Modelling in Ecological Economics*, Edward Elgar, Cheltenham, 173-202.

Cleveland C. J., R. K. Kaufmann, and D. I. Stern (2004) Aggregation of energy, in: Cleveland C. J. (ed.) *The Encyclopedia of Energy*, Academic Press, San Diego CA, 1, 17-28.

Stern D. I. (2004) Economic growth and energy, in: C. J. Cleveland (ed.) *The Encyclopedia of Energy*, Academic Press, San Diego CA, 2, 35-51.

Stern D. I. (2004) Environmental Kuznets curve, in: C. J. Cleveland (ed.) *The Encyclopedia of Energy*, Academic Press, San Diego CA, 2, 517-525.

Dovers S., D. I. Stern and M. D. Young (2003) Ecological economics: prospects for integration and interdisciplinarity, in: Dovers S., D. I. Stern, and M. D. Young (eds.) *New Dimensions in Ecological Economics: Integrative Approaches to People and Nature*, Edward Elgar, Cheltenham, 1-12.

Stern D. I. (2003) Modelling stochastic technological change in economy and environment using structural time series models, in: Dovers S., D. I. Stern, and M. D. Young (eds.) *New Dimensions in Ecological Economics: Integrative Approaches to People and Nature*, Edward Elgar, Cheltenham, 146-175.

Perman R. and D. I. Stern (2002) Sustainable development, growth theory, environmental Kuznets curves and discounting, in J. C. J. M. van den Bergh (ed.) *Environmental Economics*, in *Encyclopedia of Life Support Systems*, UNESCO.

Cleveland C. J., D. I. Stern, and R. Costanza (2001) Introduction: the changing nature of economics – towards an ecological economics, in: C. J. Cleveland, D. I. Stern, and R. Costanza (eds.), *The Economics of Nature and the Nature of Economics*, Edward Elgar, Cheltenham, 1-14.

Stern D. I. (2001) The environmental Kuznets curve: A review, in: C. J. Cleveland, D. I. Stern, and R. Costanza (eds.), *The Economics of Nature and the Nature of Economics*, Edward Elgar, Cheltenham, 193-217.

Cleveland C. J. and D. I. Stern (2001) Natural resource scarcity indicators: an ecological economic synthesis, in: C. J. Cleveland, D. I. Stern, and R. Costanza (eds.), *The Economics of Nature and the Nature of Economics*, Edward Elgar, Cheltenham, 238-261.

Cleveland C. J. and D. I. Stern (1999) Indicators of natural resource scarcity: a review and synthesis, in: J. C. J. M. van den Bergh (ed.) *Handbook of Environmental and Resource Economics*, Edward Elgar, Cheltenham, 89-108.

Cleveland C. J., R. K. Kaufmann, and D. I. Stern (1998) The aggregation of energy and materials in economic indicators of sustainability: thermodynamic, biophysical, and economic approaches, in S. Ulgiati (ed.) *Advances in Energy Studies*, Musis, Rome.

Cleveland C. J. and D. I. Stern (1998) Indicators of natural resource scarcity: review, synthesis, and application to U.S. agriculture, in: J. C. J. M. van den Bergh and M. W. Hofkes (eds.) *Theory and Implementation of Economic Models for Sustainable Development*, Kluwer, Dordrecht, 113-138.

Edited Books

Dovers S., D. I. Stern, and M. D. Young (2003) *New Dimensions in Ecological Economics: Integrative Approaches to People and Nature*, Edward Elgar, Cheltenham.

Cleveland C. J., R. Costanza, and D. I. Stern (2001) *The Economics of Nature and the Nature of Economics*, Edward Elgar, Cheltenham.

Dictionary Definitions

Stern D. I. (2004) Energy/GDP Ratio, window definition in: C. J. Cleveland (ed.) *The Dictionary of Energy*, Elsevier Science.

Refereed Conference Proceedings (Contributor)

Stern D. I. (2006) The effect of NAFTA on energy and environmental efficiency in Mexico, *Third North American Symposium on Assessing the Environmental Effects of Trade: Proceedings*, Commission for Environmental Cooperation, Montreal.

Cleveland C. J., R. K. Kaufmann, and D. I. Stern (1998) The aggregation of energy and materials in economic indicators of sustainability: thermodynamic, biophysical, and economic approaches, *Proceedings of the International Workshop on Advances in Energy Studies: Energy Flows in Ecology and Economy*, Porto Venere, Italy.

Stern D. I. and R. K. Kaufmann (1997) Econometric analysis of global climate change, *MODSIM 97, International Congress on Modelling and Simulation*, Modelling and Simulation Society of Australia, 1367-1372.

Edited Conference Proceedings (Editor)

Stern D. I. (2000) *ISEE 2000. People and Nature: Operationalising Ecological Economics*, Final Program of the 6th Biennial Meeting of the International Society for Ecological

Economics, The Australian National University, Canberra, Australia.

Book Reviews

Stern D. I. (2010) Book Review: T. Jackson (2009) Prosperity without Growth: Economics for a Finite Planet, *Ecological Economics* 69(5), 1190-1191.

Stern D. I. (2007) Book Review: M. Common and S. Stagl (2005) Ecological Economics: An Introduction, *Ecological Economics* 63(4), 829-830.

Stern D. I. (2004) Book Review: J. K. Boyce (2002) The Political Economy of the Environment, *International Journal of Social Economics* 31(4): 443-445.

Stern D. I. (2003) Book Review: M. Munasinghe, O. Sunkel, and C. de Miguel (eds.) (2001) The Sustainability of Long-term Growth: Socio-economic and Ecological Perspectives, *American Journal of Agricultural Economics* 85, 521-523.

Stern D. I. (2001) Book Review: S. Keen (2001) Debunking Economics, *Australian Journal of Environmental Management* 8, 246-247.

Stern D. I. (2001) Book Review: S. Keen (2001) Debunking Economics, *Ecological Economics* 39, 318-320.

Stern D. I. (1998) Book Note: A. Tylecote and J. van der Straaten (eds.) (1997) Environment, Technology and Economic Growth: The Challenge to Sustainable Development, *Economic Journal*, 108, 1973-1974.

Stern D. I. (1998) Book Review: N. Rakover (1993) Eykhut HaSvivah: Hebetim Mishpatiyim VeRa'ayoniyim BaMeqorot HaYehudiyim, (Environmental Quality: Legal and Ideological Aspects in the Jewish Sources), *Ecological Economics* 26, 109-111.

Stern D. I. (1997) Book Review: J. C. J. M. Van den Bergh (1996) Ecological Economics and Sustainable Development: Theory, Methods and Applications, *Economic Journal*, 107, 1905-1907.

Stern D. I. (1997) Book Review: A. Eberhard and C. Van Horen (1995) Poverty and Power: Energy and the South African State, *Development Bulletin (Australian Development Studies Network)* 41, 96-96.

Stern D. I. and C. J. Cleveland (1992) Book Review: J. Rees (1990) Natural Resources: Allocation, Economics and Policy, 2nd edition, *Professional Geographer* 44, 122-123.

Republished Papers

Stern D. I. (2008) The rise and fall of the environmental Kuznets curve, *World Development* 32(8), 1419-1439 (2004), reprinted in: C. Perrings (ed) *Ecological Economics*, Sage, Volume 4, Chapter 55, 53-80.

Stern D. I. (2008) Limits to substitution and irreversibility in production and consumption: a neoclassical interpretation of ecological economics, *Ecological Economics* 21, 197-215 (1997), reprinted in: C. Perrings (ed) *Ecological Economics*, Sage, Volume 2, Chapter 18, 1-27.

Stern D. I. (2008) The rise and fall of the environmental Kuznets curve, *World Development* 32(8), 1419-1439 (2004), reprinted in: J. Martinez-Alier and I. Røpke (eds.) *Recent Developments in Ecological Economics*, Edward Elgar, Cheltenham.

Stern D. I. (2007) Limits to substitution and irreversibility in production and consumption: a neoclassical interpretation of ecological economics, *Ecological Economics* 21, 197-215 (1997), reprinted in: J. C. J. M. van den Bergh, K. Button, and P. Nijkamp (eds.) *Environmental Planning*, Edward Elgar, Cheltenham.

Stern D. I. (2002) Progress on the environmental Kuznets curve? *Environment and Development Economics* 3, 173-196. (1998), Reprinted in: K. Gallagher, and J. Werksman (eds.) *The Earthscan Reader on International Trade and Sustainable Development*, Earthscan, London.

Stern D. I. (2001) Progress on the environmental Kuznets curve? Summary of article originally published in *Environment and Development Economics* (1998), in: J. M. Harris, T. Wise, K. Gallagher, and N. Goodwin (eds.) *Sustainable Human and Economic Development*, Island Press, Washington DC.

Stern D. I. (1996) Energy use and economic growth in the USA: a multivariate approach, *Energy Economics* 15, 137-150 (1993). Reprinted in: R. Costanza, C. A. Perrings, and C. J. Cleveland (eds.) *The Development of Ecological Economics*, Edward Elgar, Cheltenham.

Online Publications (except Working Papers)

Stern D. I. (2003) The environmental Kuznets curve, *Internet Encyclopaedia of Ecological Economics*.

Stern D. I. and R. K. Kaufmann (1998) Estimates of Global Anthropogenic Methane Emissions: 1860-1994, *Trends Online: A Compendium of Data on Global Change*, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, TN.

Newspaper/Newsletter Articles

Hay S. I., Cox J., Rogers D. J., Randolph S. E., Stern D. I., Shanks G. D., Myers M. F. and Snow R. W. (2002) East African highland malaria resurgence independent of climate change, *EANMAT Newsletter* 5(2), May 2002.

Common M. S. and D. I. Stern (1997) Greenhouse needs carbon tax, *Australian Financial Review*, Wednesday 26 February, 1997, p19.

Working Papers Not Published Elsewhere

Stern D. I. (2011) From correlation to Granger causality, *Crawford School Research Papers* 1113.

Stern D. I. (2010) Modeling international trends in energy efficiency and carbon emissions, *Environmental Economics Research Hub Research Report* 54.

Zhang R. K. L. Simons, and D. I. Stern (2010) News media as a channel of environmental information disclosure: Evidence from an EGARCH approach, *Rensselaer Working Papers in Economics* 1001.

Stern D. I. (2009) Modelling the global diffusion of energy efficiency and low carbon technology, *Environmental Economics Research Hub Research Report* 20.

Liu S. and D. I. Stern (2008) A meta-analysis of contingent valuation studies in coastal and near-shore marine ecosystems, *Socio-Economics and the Environment in Discussion (SEED) Working Paper Series* 2008-15.

Zhang R. and D. I. Stern (2007) Firms' environmental performance: an empirical study, FEEM CSR Paper 19.2007.

Stern D. I. (2005) A three-layer atmosphere-ocean time series model of global climate change, *Rensselaer Working Papers in Economics* 0510.

Kaufmann R. K. and D. I. Stern (2004) A statistical evaluation of atmosphere-ocean general circulation models: complexity vs. simplicity, *Rensselaer Working Papers in Economics* 0411.

Akmal M. and D. I. Stern (2001) Residential energy demand in Australia: an application of dynamic OLS, *Working Papers in Ecological Economics* 0104, Centre for Resource and Environmental Studies, Australian National University.

Akmal M. and D. I. Stern (2001) The structure of Australian residential energy demand, *Working Papers in Ecological Economics* 0101, Centre for Resource and Environmental Studies, Australian National University.

Ayres R., B. Castaneda, C. J. Cleveland, R. Costanza, H. Daly, C. Folke, B. Hannon, J. Harris, R. Kaufmann, X. Lin, R. Norgaard, M. Ruth, D. Spreng, D. I. Stern, J. C. J. M. van den Bergh (1997) Natural Capital, Human Capital, and Sustainable Economic Growth, *CEES Working Papers* 9702, Center for Energy and Environmental Studies, Boston University.

Stern D. I. (1994) The effect of the mining sector on developing economies, *Discussion Papers in Environmental Economics and Environmental Management* 9402, EEEM, University of York, York.

Presentations, Workshops, and Guest Lectures: Last 5 Years

2011 PhD Conference in Economics and Business, University of Queensland, 19th November 2011. Invited discussant.

Energy and Economic Growth: The Stylized Facts, Foundation Seminar, Crawford School of Economics and Government, Australian National University, 1st November 2011.

Energy Economics and Policy, Energy Change Institute Open Day, Australian National University, 20th October 2011.

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