

DAVID I. STERN

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Professional Experience:

2009- Professor, Arndt-Corden Dept. Econ., Crawford School of Public Policy, *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 Env. Studies and Department of Geography, *Boston University*.
1993-1994 Research Fellow, Department of Env. Economics and Env. Management, *University of York*.

Awards: Francqui Chair for Academic Year 2020-21, Fellow of the Academy of the Social Sciences in Australia, 2016-.

Qualifications:

1994 Ph.D., Boston University.
1989 M.Sc., London School of Economics.
1988 B.A., The Hebrew University of Jerusalem.

Selected Grants:

2016-21 *Department for International Development*, UK. "Energy for Economic Growth." Total consortium budget £13 million. Leader for Theme 1 in first year of project. First year ANU funding £30,000.
2016-18 *Australian Research Council*, Discovery Project, "Energy Efficiency Innovation, Diffusion and the Rebound Effect." \$A273,000.
2015-18 *Handelsbanken Research Foundation*. "Energy Use and Economic Growth: A Long-run European Study (1870-2013)." SEK2 million.
2012-14 *Australian Research Council*, Discovery Project, "Energy Transitions: Past Present and Future." \$A243,000.

Teaching: Courses taught: Research Methods, Energy Economics, Economic Way of Thinking 1, Managerial Economics, Env. Economics, Ecological Economics, Intro. Economics, Internat. Env. & Resource Management, Alternative Energy & Environmental Futures, Cultural Landscape, World Regional Geography.

Administration: Director, International and Development Economics, Crawford School, 2015-2017. Research Director, Crawford School, 2012-13. Director, Economics PhD Program, RPI, 2004-7.

Professional Activities: Editor *Australian Journal of Agricultural and Resource Economics* 2023-, Lead author, IPCC Working Group III, 2010-14. Review editor for Chapter 2 of Working Group III contribution to IPCC AR6, 2021. Associate Editor, *Ecological Economics*, 2002-2018; *PeerJ*, 2017-. Editorial advisory board, *Open Economics*, 2016-; *Energy Journal*, 2018-; *Ecological Economics*, 2019-.

Publications: > 100 publications. Google Scholar citations > 23,000, H-index = 60. Selected publications:

Timilsina G, DI Stern, & DK Das (in press) Physical infrastructure and economic growth, *Applied Economics*.
Kubiszewski I, L Concollato, R Costanza, & DI Stern (2023) Changes in authorship, networks, and research topics in ecosystem services, *Ecosystem Services* 101501.
Berner A, SB Bruns, A Moneta, & DI Stern (2022) Do energy efficiency improvements reduce energy use? Empirical evidence on the economy-wide rebound effect in Europe and the United States, *Energy Economics* 110, 105939.
Jafari M, DI Stern, & SB Bruns (2022) How large is the economy-wide rebound effect in middle income countries? Evidence from Iran, *Ecological Economics* 193, 107325.
Stern DI, JCV Pezzey, & Y Lu (2021) Directed technical change and the British Industrial Revolution, *Journal of the Association of Environmental and Resource Economists* 8(6), 1079-114.
Saunders H *et al.* (2021) Energy efficiency: What has research delivered in the last 40 years? *Annual Review of Environment and Resources* 46, 135-65.
Dressel B & DI Stern (2021) Research at public policy schools in the Asia-Pacific region ranked, *Asia and the Pacific Policy Studies* 8(1), 151-66.
Stern DI & RSJ Tol (2021) Depth and breadth relevance in citation metrics, *Economic Inquiry* 59(3), 961-77.
Bruns SB, A Moneta, & DI Stern (2021) Estimating the economy-wide rebound effect using empirically identified structural vector autoregressions, *Energy Economics* 97, 105158.
Bruns SB, Z Csereklyei, & DI Stern (2020) A multicointegration model of global climate change, *Journal of Econometrics* 214, 175-97.
Csereklyei Z, MdM Rubio Varas & DI Stern (2016) Energy and economic growth: The stylized facts, *Energy Journal* 37(2), 223-55.
Stern DI (2013) Uncertainty measures for economics journal impact factors, *Journal of Economic Literature* 51, 173-89.
Stern DI (2004) The rise and fall of the environmental Kuznets curve, *World Development* 32(8), 1419-39.
Hay SI, J Cox, DJ Rogers, SE Randolph, DI Stern, GD Shanks, MF Myers & RW Snow (2002) Climate change and the resurgence of malaria in the East African highlands, *Nature* 415(6874), 905-9.
Stern DI & MS Common (2001) Is there an environmental Kuznets curve for sulfur? *Journal of Environmental Economics and Management* 41, 162-78.
Kaufmann RK & DI Stern (1997) Evidence for human influence on climate from hemispheric temperature relations, *Nature* 388, 39-44.
Stern DI, MS Common & EB Barbier (1996) Economic growth and environmental degradation: the environmental Kuznets curve and sustainable development, *World Development* 24, 1151-60.
Stern DI (1993) Energy use and economic growth in the USA: a multivariate approach, *Energy Economics* 15, 137-50.