

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., 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: Agric. & Res. Economics, Env. Economics, Energy Economics, Economic Way of Thinking 1, Managerial Economics, Research Methods, 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, 2015-17. Research Director, Crawford School, 2012-13. Director, Economics PhD Program, RPI, 2004-7.

Professional Activities: Editor in chief, *Australian Journal of Agricultural and Resource Economics* 2023-. Associate Editor, *Ecological Economics*, 2002-18; *PeerJ*, 2017-23. Editorial advisory board, *Journal of Sustainability*, 2025-, *Open Economics*, 2016-; *Energy Journal*, 2018-; *Ecological Economics*, 2019-22. Lead author, IPCC Working Group III, 2010-14. Review editor for Chapter 2 of Working Group III contribution to IPCC AR6, 2021.

Publications: > 100 publications. Google Scholar citations > 28,000, H-index = 64. Selected publications:

- Timilsina G, DI Stern & DK Das (2024) Physical infrastructure and economic growth, *Applied Economics* 56(18), 2142–57.
- Ahmed K. & D. I. Stern (2023) China's carbon emissions trend after the pandemic, *Environmental Challenges* 13, 100787.
- Jiang X & D Stern (2023) Asymmetric business cycle changes in U.S. carbon emissions and oil market shocks, *Climatic Change* 176, 147.
- 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.
- 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.