

BIOGRAPHY

Jeffrey Wilson is an assistant professor in the School of Environment, Enterprise & Development. Jeff has worked at the interface of economic, environmental and wellbeing research and policy for over 18 years. Jeff's research specializes in energy transitions, natural capital accounting, ecosystem goods and services valuation, and cost-benefit analysis. His research has been well recognized winning national and international awards. He has numerous publications in peer reviewed journals, grey literature, and several book chapters. He has been recognized for excellence in teaching, leading classes in sustainability economics, economic development theory, environmental governance, and leadership for sustainability. As an academic, Jeff takes pride in staying abreast of leading edge thinking on sustainability innovation and the green economy. He is a Research Associate with the Canadian Index of Wellbeing, member of the Waterloo Institute for Sustainable Energy and visiting fellow with the China-UK Low Carbon College, Shanghai Jiao Tong University. Prior to joining the University of Waterloo Jeff ran a boutique consulting firm specializing in sustainability measurement and strategy to advance low carbon pathways.

ACADEMIC EXPERIENCE

Current	Assistant Professor, School of Environment, Enterprise and Development, University of Waterloo
Current	Visiting Scholar, China-UK Low Carbon College, Shanghai Jiao Tong University
2015-2018	Adjunct professor, Faculty of Management, Dalhousie University
2013 – 2014	Assistant professor, College of Sustainability, Dalhousie University (term appointment)

Courses:

Current, Ecological Economics, Economic Development Theory, Corporate Social Responsibility

Previously, Economics for Sustainability, Environmental Governance, Leadership for Sustainability, Capstone, Practice based learning (sustainable communities)

Publications:

Publications can be accessed at

<https://scholar.google.ca/citations?user=hbe4UHQAAAAJ&hl=en&authuser=1>

CONTRIBUTIONS TO RESEARCH

- Xu Tian, X., Chen, B., Geng, Y., Zhong, S., Gao, C., **Wilson, J.**, Cui, X., Dou, Y., 2019. Energy footprint pathways of China. *Energy*, 180, 330-340.
- You, W., Geng, Y., Dong, H., **Wilson, J.**, Pan, H., Wu, R., Sun, L., Zhang, X., Liu, Z., 2018. Technical and economic assessment of RES penetration by modelling China's existing energy system. *Energy*, 165, 900-910.
- Liu, Z., Geng, Y., Dai, H., **Wilson, J.**, Xie, Y., Wu, R., You, W., 2018. Regional impacts of launching national carbon emissions trading market: A case study of Shanghai. *Applied Energy*, 230, 232-240.
- Han, W., Geng, Y., Lu, Y., **Wilson, J.**, Sun, L., Satoshi, O., Geldron, A., & Qian, Y., 2018. Urban metabolism of megacities: A comparative analysis of Shanghai, Tokyo, London and Paris to inform low carbon and sustainable development pathways. *Energy*, 155, 887-898.
- Hayden, A., **Wilson, J.**, 2018. Taking the first steps beyond GDP: Maryland's experience in measuring "genuine progress". *Sustainability*. 10(2), 462; doi:10.3390/su10020462.
- Xu, T., Geng, Y., Zhong, S., **Wilson, J.**, Gao, C., Chen, W., Yu, Z., Hao, H., 2018. A bibliometric analysis on trends and characteristics of carbon emissions from transport sector. *Transportation Research Part D*. 59, 1-10.
- Liu, Z., Geng, Y., Dong, H., **Wilson, J.**, Micic, T., Wu, R., Cui, X., Qian, Y., You, W., Sun, H., 2018. Efficient distribution of carbon emissions reduction targets at the city level: A case of Yangtze River Delta region. *Journal of Cleaner Production*. 172: 711e1721.
- Hayden, A., **Wilson, J.**, 2018. "Challenging the Dominant Economic Narrative Through Alternative Wellbeing Indicators: The Canadian Experience." In Bache, I., Scott, K. (Eds). The Politics of Wellbeing, Theory, Policy, and Practice. Palgrave MacMillan, London.
- Hayden, A., **Wilson, J.**, 2017. "'Beyond GDP' Indicators: Changing the Economic Narrative for a Post-Consumer Society?." In Cohen, M., Brown, H., Vergragt, P. (Eds), Social Change and the Coming of the Post-Consumer Society, Routledge, New York.
- Hayden A, **Wilson J.**, 2016. Is It What You Measure That Really Matters? The Struggle to Move beyond GDP in Canada. *Sustainability*. 8, 623-641.
- Savage, E., Tapics, T., Evarts, J., **Wilson, J.**, Tirone, S., 2015. Experiential Learning for Sustainability Leadership in Higher Education. *International Journal of Sustainability in Higher Education*. 16 (5), 692-705.
- Wilson, J.**, 2014. "Ecological footprint and quality of life." In Michalos, A. C. (Ed.), Encyclopedia of Quality of Life and Well-Being Research. Springer Reference, Dordrecht. ISBN 978-94-007-0753-5.
- Wilson, J.**, Tyedmers, P., Spinney, J., 2013. An exploration of the relationship between socio-economic and well-being variables and household greenhouse gas emissions. *Journal of Industrial Ecology*. 17, 880-891.*Received the Journal of Industrial Ecology's best paper prize (biennial award).

Wilson, J., Spinney, J., Milward, H., Scott, D., Hayden, A., Tyedmers, P., 2013. Blame the Exurbs, not the Suburbs: Exploring the distribution of greenhouse gas emissions within a city region. *Energy Policy*. 62, 1329-1335.

Wilson, J., Tyedmers, P., 2013. Rethinking what counts. A review of wellbeing and genuine progress indicator metrics from a Canadian Viewpoint. *Sustainability*. 5, 187-202.

Wilson, J., P. Tyedmers, J. Grant., 2013. Measuring environmental impact at the neighbourhood level. *Journal of Environmental Planning and Management*. 56, 42-60.

Kutcher, S., Hampton, M., **Wilson, J.**, 2010. Child and adolescent mental health policy and plans in Canada: an analytical review. *Canadian Journal of Psychiatry*. 55, 100-10.

Wilson, J., Grant, J., 2009. Calculating ecological footprints at the municipal level. What is a reasonable approach for Canada? *Local Environment. International Journal of Justice and Sustainability*. 14, 963-980.

Wilson, J., Pelot, R., Tyedmers, P., 2008. Ensuring that development metrics consider environmental sustainability - a proposal to combine development metrics with an ecological threshold variable. *International Journal of Transdisciplinary Research*. 3, 44-68.

Wilson, J., Tyedmers, P., Pelot, R., 2007. Contrasting & Comparing Sustainable Development Indicators. *Journal of Ecological Indicators*. 7, 299-314.

Rainham, D. G., McDowell, I., **Wilson, J.**, 2005. "Natural capital and human well-being: pathways between ultimate means and ultimate ends." In Leal Filho, W. (Ed), Handbook of Sustainability Research. Peter Lang Scientific Publishing, Frankfurt.

Academic conferences, speaking engagements (2019):

Wilson, J., 2019. Dean's Lecture, Environment Seminar Series. Foundations of flourishing communities, a discussion on the role of natural and social capital. Waterloo, ON. November 2019.

Wilson, J., 2019. Beyond GDP: International Experiences, Canada's Options. Expert workshop. Halifax, NS. May 2019.

Wilson, J., 2019. Beyond Smart Cities: The Wise Cities of the Future. Expert Panel. InterAction Council. Cartagena, Colombia. May 2019.