Ross R. McKitrick

Professor of Economics
Department of Economics and Finance
University of Guelph
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PRIMARY APPOINTMENT AT THE UNIVERSITY OF GUELPH

Rank:	Professor, Tenure
Tenure Year:	2001
Academic Unit:	Economics and Finance, Gordon S. Lang School of Business and Economics
Dates:	Jan. 1996 - present
Percentage Workload:	100%

AFFILIATED APPOINTMENT:

Senior Fellow, Fraser Institute, Vancouver BC

EDUCATION AND DEGREES

PhD, Economics, Aug. 1996
University of British Columbia, Canada

M.A., Economics, Aug. 1990
University of British Columbia, Canada

BA(Hons), Economics, Jun. 1988
Queen's University at Kingston, Canada

ACADEMIC EMPLOYMENT HISTORY

Jul. 2009 - present: Professor, Department of Economics and Finance, Gordon S. Lang School of Business and Economics**,** Professor, Full-time, University of Guelph, Canada

April 2025 – May 2026 Special Advisor, United States Department of Energy

Jan. 2001 - Jun. 2009: Associate Professor, Department of Economics**,** Full-time, University of Guelph, Canada

Jan. 1996 - Jan. 2001: Assistant Professor, Department of Economics**,** Full-time, University of Guelph, Canada

TEACHING EXPERIENCE

REGULAR TEACHING AT THE UNIVERSITY OF GUELPH

ECON*2100 Economic Growth and Environmental Quality
ECON*3740 Introductory Econometrics
ECON*4930 Environmental Economics
ECON*6800 Environmental Economics

PHD SUPERVISORY ACTIVITIES AT THE UNIVERSITY OF GUELPH

Number of Ph.D. Students since 2011:	3 Principal Supervisor
	1 Co-Supervisor
	3 Advisory Committee Member

TEACHING EXTERNAL TO THE UNIVERSITY OF GUELPH

Fall 2016**:** Queen's University Department of Economics, Ph.D. short course on Carbon Pricing

PUBLICATIONS

SUMMARY

Category	**Refereed**	**Non-Refereed**
Journal Articles	62	2
Books	3	
Book Chapters	12	1
h-Index (April 2026)	31	
i-10 Index (April 2026)	59	

REFEREED PUBLICATIONS

Journal Articles

1. Vogelsang, Timothy, Ross R. McKitrick, John Christy and Roy Spencer (2026) Biased trend amplification ratios in CMIP6 models. *Scientific Reports* 2026/9/29 https://www.nature.com/articles/s41598-026-73624-2

2. Lakhtakia, Devina and Ross R. McKitrick (2025) "Climate Change and Economic Growth: Evidence from Local Income Proxies" *Climate Change Economics* 2550013 DOI: 10.1142/S2010007825500137 https://www.worldscientific.com/doi/10.1142/S2010007825500137

3. McKitrick, Ross R. (2025) "Consistent Climate Fingerprinting." *Climate Dynamics*, April 2025 Vol 63 357 DOI https://doi.org/10.1007/s00382-025-07825-2

4. McKitrick, Ross R. (2025) "Extended crop yield meta-analysis data do not support upward SCC revision". *Nature Scientific Reports* 15 article 5575 https://doi.org/10.1038/s41598-025-90254-2

5. McKitrick, Ross R. (2024) "Economic Implications of a Phased-in EV Mandate in Canada" *Canadian Journal of Economics* October 28 2024 https://doi.org/10.1111/caje.12745 .

6. McKitrick, Ross R. (2023) "TLS bias in climate fingerprinting regressions with heterogeneous noise variances and correlated explanatory variables" *Environmetrics* https://doi.org/10.1002/env.2835

7. Dayaratna, Kevin and Ross McKitrick (2023) "Reply to comment on "climate sensitivity, agricultural productivity and the social cost of carbon in fund" by Philip Meyer" *Environmental Economics and Policy Studies* 2023 https://link.springer.com/article/10.1007/s10018-023-00364-2. Percent Contribution: 50

8. Lee, Jamie, Ross McKitrick and Thanasis Stengos (2023) Changing the Discount Rate by Adjusting the Pure Rate of Time Preference. *Review of Economic Analysis* 15(2) June 2023. Percentage Contribution: 50 https://openjournals.uwaterloo.ca/index.php/rofea/article/view/5265

9. McKitrick, R. (2023). On the choice of TLS versus OLS in climate signal detection regression. *Climate Dynamics*, 1 - 16. https://link.springer.com/article/10.1007/s00382-022-06315-z

10. McKitrick, R. (2021). Checking for Model Consistency in Optimal Fingerprinting: A Comment. *Climate Dynamics*, 58, 405-411. https://link.springer.com/article/10.1007/s00382-021-05913-7 **Note:** top 1% of all papers in science in 2022 ranked by downloads, according to Altmetrics.

11. Dayaratna, K, McKitrick, R & Michaels, P. (2020). Climate Sensitivity, Agricultural Productivity and the Social Cost of Carbon in FUND. *Environmental Economics and Policy Studies*. https://link.springer.com/article/10.1007/s10018-020-00263-w

12. McKitrick, R & Christy, J. (2020). Pervasive Warming Bias in CMIP6 Tropospheric Layers. *Earth and Space Science*. doi:10.1029/2020EA001281 https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2020EA001281

13. McKitrick, R & Christy, J. (2019). Assessing Changes in US Regional Precipitation on Multiple Time Scales. *Journal of Hydrology*, 578. doi:10.1016/j.jhydrol.2019.124074 https://www.sciencedirect.com/science/article/pii/S0022169419308091

14. Aliakbari, E & McKitrick, R. (2018). Information Aggregation in a Prediction Market for Climate Outcomes. *Energy Economics*, 74. https://www.sciencedirect.com/science/article/abs/pii/S0140988318302196

15. McKitrick, R & Christy, J. (2018). A Test of the Tropical 200-300mb Warming Rate in Climate Models. *Earth and Space Science*. https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018EA000401 **Note:** top 10% of all papers in *E&SS* in 2018 ranked by downloads, according to publisher.

16. McKitrick, R & Lee, J. (2017). Forming a Majority Coalition for Carbon Taxes Under a State-Contingent Updating Rule. *Strategic Behaviour and the Environment* Vol 6(4). https://www.emerald.com/sbe/article-abstract/6/4/289/1332459/Forming-a-Majority-Coalition-for-Carbon-Taxes

17. Dayaratna, K, McKitrick, R & Kreutzer, D. (2017). Empirically-Constrained Climate Sensitivity and the Social Cost of Carbon. *Climate Change Economics*, 8(2), 12. https://www.worldscientific.com/doi/abs/10.1142/S2010007817500063

18. McKitrick, R. (2016). Global Energy Subsidies: An Analytical Taxonomy. *Energy Policy*. doi:10.1016/j.enpol.2016.10.035 https://www.sciencedirect.com/science/article/abs/pii/S0301421516305870

19. McKitrick, R & Wood, J. (2016). An Examination of the Relationship Between Income and Air Quality in Canada. *Canadian Journal of Agricultural Economics*, 1-24. doi: 10.1111/cjag.12101 https://onlinelibrary.wiley.com/doi/abs/10.1111/cjag.12101

20. Hu, B. & McKitrick, R. (2016). Climatic Variations and the Market Value of Insurance Firms. *Journal of Insurance Issues*, 39(1), 92-111. Link.

21. Hu, B. & McKitrick, R. (2015). Decomposing the Environmental Effects of Trade Liberalization: The Case of Consumption-Generated Pollution. *Environmental and Resource Economics*, 1-19. doi:10.1007/s10640-014-9865-x https://link.springer.com/article/10.1007/s10640-014-9865-x

22. McKitrick, R R & Vogelsang, T J. (2014). HAC-Robust Trend Comparisons Among Climate Series with Possible Level Shifts. *Environmetrics*. https://onlinelibrary.wiley.com/doi/abs/10.1002/env.2294

23. McKitrick, R. (2014). HAC-Robust Measurement of the Duration of a Trendless Subsample in a Global Climate Time Series. *Open Journal of Statistics*, 4, 527-535. doi:10.4236/ojs.2014.47050 https://www.academia.edu/83137320/HAC_Robust_Measurement_of_the_Duration_of_a_Trendless_Subsample_in_a_Global_Climate_Time_Series

24. McKitrick, R & Wood, J. (2013). Co-fluctuation patterns of per capita carbon dioxide emissions: The role of energy markets. *Energy Economics*. doi:10.1016/j.eneco.2013.03.015 https://www.sciencedirect.com/science/article/abs/pii/S0140988313000649

25. McKitrick, R. (2013). Encompassing Tests of Socioeconomic Signals in Surface Climate Data. *Climatic Change*, 120(1-2), 12. doi:10.1007/s10584-013-0793-5 https://link.springer.com/article/10.1007/s10584-013-0793-5

26. Huldén, L, McKitrick, R & Huldén, L. (2013). Average Household Size and the Eradication of Malaria. *Journal of the Royal Statistical Society Series A*, 177(3), 725-742. doi:10.1111/rssa.12036 https://academic.oup.com/jrsssa/article-abstract/177/3/725/7077894

27. McKitrick, R & Tole, L. (2012). Evaluating Explanatory Models of the Spatial Pattern of Surface Climate Trends using Model Selection and Bayesian Averaging Methods. *Climate Dynamics*. doi:10.1007/s00382-012-1418-9 https://link.springer.com/article/10.1007/s00382-012-1418-9

28. Hu, B. & McKitrick, R. (2012). Discount Rate Distortions and the Resource Curse. *South African Journal of Economics*. https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1813-6982.2012.01322.x

29. McKitrick, R, Strazicich, M & Lee, J. (2012). Long-Term Forecasting of Global Carbon Dioxide Emissions: Reducing Uncertainties Using a Per-Capita Approach. *Journal of Forecasting*. https://onlinelibrary.wiley.com/doi/abs/10.1002/for.2248

30. McIntyre, S & McKitrick, R. (2011). Discussion of: A Statistical Analysis of Multiple Temperature Proxies: Are Reconstructions of Surface Temperatures Over the Last 1000 Years Reliable. *Annals of Applied Statistics*, 5(1), 56-60. https://www.jstor.org/stable/23024812

31. Koop, G, McKitrick, R & Tole, L. (2010). Air Pollution, Economic Activity and Respiratory Illness: Evidence from Canadian Cities, 1974-1994. *Environmental Modelling & Software*. doi:10.1016/j.envsoft.2010.01.010. https://www.sciencedirect.com/science/article/abs/pii/S1364815210000216

32. McKitrick, R & Nierenberg, N. (2010). Socioeconomic Signals in Climate Data. *Journal of Economic and Social Measurement*, 35(4), 149-175. https://journals.sagepub.com/doi/abs/10.3233/JEM-2010-0336

33. McKitrick, R, McIntyre, S & Herman, C. (2010). Panel and Multivariate Methods for Trend Comparisons in Climate Data Series. *Atmospheric Science Letters*, 11(4), 270-277. https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/asl.290

34. McKitrick, R. (2010). A Simple State-Contingent Pricing Rule for Complex Intertemporal Externalities. *Energy Economics*. doi:10.1016/j.eneco.2010.06.013 https://www.sciencedirect.com/science/article/abs/pii/S0140988310001106

35. McKitrick, R. (2010). Atmospheric Oscillations do not Explain the Temperature-Industrialization Correlation. *Statistics, Politics and Policy*. https://www.degruyterbrill.com/document/doi/10.2202/2151-7509.1004/html

36. McIntyre, S & McKitrick, R. (2009). Proxy inconsistency and other problems in millennial paleoclimate reconstructions. *Proceedings of the National Academy of Sciences of the United States of America*. doi:10.1073/pnas.0812509106 https://www.pnas.org/doi/abs/10.1073/pnas.0812509106

37. Byatt, I, Castles, I, Goklany, I, Henderson, D & McKitrick, R. (2007). The Stern Review: A Dual Critique. Part II: Economic Aspects. *World Economy*, 7(4), 199-232. https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/byattetal.pdf

38. Essex, C, Andresen, B & McKitrick, R. (2007). Does a Global Temperature Exist? *Journal of Nonequilibrium Thermodynamics*, 32(1). https://www.fys.ku.dk/~andresen/BAhome/ownpapers/globalTexist.pdf

39. McKitrick, R & Michaels, P J. (2007). Quantifying the influence of anthropogenic surface processes and inhomogeneities on gridded global climate data. *Journal of Geophysical Research*, 112. doi:10.1029/2007JD008465 https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/m_m.jgrdec07.pdf

40. McKitrick, R. (2006). Politics of Pollution: Party Regimes and Air Quality in Canada. *Canadian Journal of Economics*, 39(2), 604-620. https://onlinelibrary.wiley.com/doi/abs/10.1111/j.0008-4085.2006.00362.x

41. McKitrick, R. (2006). Why Did US Air Pollution Emissions Decline After 1970? *Empirical Economics*. doi:10.1007/s00181-006-0111-4. https://link.springer.com/article/10.1007/s00181-006-0111-4

42. McKitrick, R. (2005). Decentralizing a Regulatory Standard Expressed in Ratio or Intensity Form. *Energy Journal*, 26(4), 1-9. https://journals.sagepub.com/doi/abs/10.5547/ISSN0195-6574-EJ-Vol26-No4-3

43. McIntyre, S & McKitrick, R. (2005a). Hockey Sticks, Principal Components and Spurious Significance. *Geophysical Research Letters*, 32(3). https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2004GL021750

44. McIntyre, S & McKitrick, R. (2005b). Reply to Comment by von Storch and Zorita on "Hockey Sticks, Principal Components and Spurious Significance". *Geophysical Research Letters*, 32(20). https://www.academia.edu/1539091/Reply_to_comment_by_von_Storch_and_Zorita_on_Hockey_sticks_principal_components_and_spurious_significance_

45. McIntyre, S & McKitrick, R. (2005c). Reply to Comment by Huybers on "Hockey Sticks, Principal Components and Spurious Significance." *Geophysical Research Letters*, 32(20).
46. https://climateaudit.org/wp-content/uploads/2005/09/mcintyre.huybersreply.pdf

47. McIntyre, S & McKitrick, R. (2005d). The M & M Critique of the MBH98 Northern Hemisphere Climate Index: Update and Implications. *Energy and Environment*, 16(1), 69-100. https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/m_m.ee2005.pdf

48. McKitrick, R. (2005). Science and Environmental Policymaking: Bias-Proofing the Assessment Process. *Canadian Journal of Agricultural Economics*, 53, 275-290. https://doi.org/10.1111/j.1744-7976.2005.00019.x

49. McKitrick, R & Michaels, P. (2004). Test of Corrections for Extraneous Signals in Gridded Surface Temperature Data. *Climate Research*, 26(2), 159-173. https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/mckitrick-michaels-cr04.pdf

50. McKitrick, R & Michaels, P. (2004). Are Temperature Trends Affected by Economic Activity? Reply to Benestad. *Climate Research*, 27(2), 175-176. https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/mm.reply.pdf

51. McIntyre, S & McKitrick, R. (2003). Corrections to the Mann et. al. (1998) Proxy Data Base and Northern Hemisphere Average Temperature Series. *Environment and Energy*, 14(6), 751-771. https://www.rossmckitrick.com/uploads/4/8/0/8/4808045/m_m03.pdf

52. McKitrick, R. (2002). Inference About Trends in Temperature Data After Controlling for Serial Correlation and Heteroskedastic Variance. *Proceedings of the Russian Geographical Society*, 164(3), 16-24.

53. McKitrick, R & Shufelt, T. (2002). Environmental Impacts of Enhanced Property Rights. *Environment and Energy*, 13(3), 367-382. https://journals.sagepub.com/doi/abs/10.1260/095830502320268232

54. McKitrick, R & Collinge, R. (2001). The Existence and Uniqueness of Optimal Pollution Policy in the Presence of Victim Defence Measures. *Journal of Environmental Economics and Management*, 44, 106-122. https://www.sciencedirect.com/science/article/abs/pii/S0095069601912008

55. McKitrick, R. (2001). Mitigation versus Compensation in Global Warming Policy. *Economics Bulletin*, 17(2), 1-6. http://www.accessecon.com/pubs/EBFT08/2001/Volume17/EB-01Q20002A.pdf

56. Weersink, A, Nailor, M & McKitrick, R. (2001). The Economics of Voluntary Shared Cost Programs. *Current Agriculture*, (2), 23-36.

57. McKitrick, R & Collinge, R. (2000). Linear Pigovian Taxes and the Optimal Size of a Polluting Industry. *Canadian Journal of Economics*, 33(4), 1106-1119. https://onlinelibrary.wiley.com/doi/abs/10.1111/0008-4085.00056

58. McKitrick, R. (2000). Design of Regulations Expressed as Ratios or Percentage Quotas. *Journal of Regulatory Economics*, 19(3), 295-305. https://link.springer.com/article/10.1023/A:1011163207557

59. Helliwell, J & McKitrick, R. (1999). Comparing Capital Mobility across National and Provincial Borders. *Canadian Journal of Economics*, (5), 1164-1173. https://www.nber.org/papers/w6624

60. McKitrick, R. (1999). A Cournot Mechanism for Pollution Control under Asymmetric Information. *Environmental and Resource Economics*, 353-363. https://link.springer.com/article/10.1023/A:1008397420322

61. McKitrick, R. (1999). A Derivation of the Marginal Abatement Cost Function. *Journal of Environmental Economics and Management*, 306-314. https://www.sciencedirect.com/science/article/abs/pii/S0095069699910653

62. McKitrick, R. (1998). The Econometric Critique of Applied General Equilibrium Modelling: The Role of Functional Forms. *Economic Modelling*, (15), 543-573. https://www.sciencedirect.com/science/article/abs/pii/S0264999398000285

63. McKitrick, R. (1997). Double-Dividend Environmental Taxation and Canadian Carbon Emissions Control. *Canadian Public Policy*, 417-434. https://www.jstor.org/stable/3552072

Books

1. McKitrick, R. (2010). *Economic Analysis of Environmental Policy*. Toronto, Ontario, Canada: University of Toronto Press.

2. McKitrick, R & Kamer, O. (2009). *Critical Topics in Global Warming*. Vancouver, British Columbia, Canada: Fraser Institute.

3. McKitrick, R & Essex, C. (2002). *Taken by Storm: The Troubled Science, Policy and Politics of Global Warming*: Key Porter Books.

Working Papers

1. Christy, J. and R. McKitrick (2026) Trends and Patterns in U.S. Daily Total and Extreme Precipitation Since 1893. Under review, *Journal of Hydrometeorology*

2. Lewis, N. and R. McKitrick (2026) Climate Change, Adaptation and CO2 Fertilization in Long-run Agriculture Yield Projections. In preparation.

3. McKitrick, R. T.J. Vogelsang and J. Christy (2023) "Temperature Trends, Climate Attribution and the Nonstationarity Question" Working paper *Earth System Dynamics*

4. McKitrick, Ross (2024) Second-Best Optimal Emission Pricing. Working Paper, University of Guelph Department of Economics and Finance

Peer-reviewed Think Tank and Contract Reports

1. McKitrick, Ross, Elmira Aliakbari, Joel Emes and Milagros Palacios (2026) Estimated Impacts of a $170 Industrial Carbon Price in Alberta and Canada. *Fraser Institute*, Vancouver BC March 26, 2026

2. Christy, John, Judith Curry, Steven Koonin, Ross McKitrick and Roy Spencer (2025) A Critical Review of Impacts of Greenhouse Gas Emissions on the U.S. Climate. Washington DC: United States Department of Energy, July 23, 2025.

3. McKitrick, Ross R (2025) Canada at a Crossroads Vol 1: The Housing Crunch. Ottawa: MacDonald-Laurier Institute.

4. McKitrick, Ross R (2025) Canada at a Crossroads Vol 2: Baby Steps: How to reverse Canada's falling fertility rate. Ottawa: MacDonald-Laurier Institute.

5. McKitrick, Ross R (2025) Canada at a Crossroads Vol 3: Dollars and Sense: The case for cutting income taxes. Ottawa: MacDonald-Laurier Institute.

6. McKitrick, Ross R (2025) Canada at a Crossroads Vol 4: Capital ideas: Attracting investment, boosting productivity. Ottawa: MacDonald-Laurier Institute.

7. McKitrick, Ross R (2025) Canada at a Crossroads Vol 5: Proud and free – Rebuilding Canada's heritage and national identity. Ottawa, Macdonald-Laurier Institute, May 2, 2025.

8. McKitrick, Ross R (2025) Canada at a Crossroads Vol 6: Degrees of Separation: Universities versus the Public. Ottawa, Macdonald-Laurier Institute, May 21, 2025.

9. McKitrick, Ross R. (2025) Canada's Path to Net Zero by 2050: Darkness at the End of the Tunnel. Vancouver: Fraser Institute, January 30 2025

10. McKitrick, Ross R. (2024) An Evaluation of Canada's Progress Towards Meeting 2026 and 2030 GHG Emission Reduction Targets. Vancouver: Fraser Institute, June 21, 2024.

11. McKitrick, Ross R. (2024) Economic Impact and GHG Effects of the Federal Government's Emissions Reduction Plan through 2030. Vancouver: Fraser Institute, July 18, 2024.

12. McKitrick, Ross R. (2023) Adaptation needs greater focus in climate policy. Ottawa: *MacDonald-Laurier Institute*, June 2023 https://macdonaldlaurier.ca/wp-content/uploads/2023/07/20230614_Adaptation-needs-greater-focus-McKitrick_PAPER-v2.pdf

13. McKitrick, Ross (2023) Wrong Move at the Wrong Time: Economic Impacts of the New Federal Building Energy Efficiency Mandates. Vancouver: *Fraser Institute* https://www.fraserinstitute.org/studies/wrong-move-at-the-wrong-time-economic-impacts-of-the-new-federal-building-energy-efficiency-mandates

14. McKitrick, Ross (2023) Costs and Benefits of Phasing out Gas in Ontario's Electricity Sector. Toronto: LFX Associates

15. McKitrick, Ross. (2022). *Economic Analysis of the 2022 Federal Clean Fuels Standard*. Toronto: LFX Associates.

16. McKitrick, R & Aliakbari, E. (2021). *Impacts of a $170 Carbon Tax on the Canadian Economy*. Vancouver: *Fraser Institute* https://carbontaximpacts.ca/wp-content/uploads/2021/03/impact-170-carbon-tax.pdf

17. Murphy, R & McKitrick, R. (2021). *Off-Target: The Economics Literature Does not Support the 1.5C Target*. Vancouver: *Fraser Institute* https://www.fraserinstitute.org/sites/default/files/economics-literature-does-not-support-1.5c-climate-ceiling.pdf

18. McKitrick, R & Lee, J. (2020). *Assessment of the Proposed Clean Fuels Standard*. Toronto: LFX Associates

19. McKitrick, R & Aliakbari, E. (2018). *Electricity Reform in Ontario: Getting Power Prices Down*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/electricity-reform-in-ontario-getting-power-prices-down

20. McKitrick, R, Aliakbari, E & Stedman, A. (2018). *Environmental Ranking for Canada and the OECD*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/sites/default/files/environmental-ranking-for-canada-and-the-OECD.pdf

21. McKitrick, R & Aliakbari, E. (2017). *Rising Electricity Costs and Declining Employment in Ontario's Manufacturing Sector*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/rising-electricity-costs-and-declining-employment-in-ontarios-manufacturing-sector

22. McKitrick, R & Aliakbari, A. (2017). *Did the Coal Phase-Out Reduce Ontario Air Pollution?*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/did-the-coal-phase-out-reduce-ontario-air-pollution

23. McKitrick, R & Aliakbari, E. (2017). *Canada's Air Quality Since 1970: An Environmental Success Story*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/canadas-air-quality-since-1970-an-environmental-success-story

24. McKitrick, R & Adams, T. (2016). *Demand-Side Mismanagement: How Conservation Became Waste*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/demand-side-mismanagement-how-conservation-became-waste

25. Green, K & McKitrick, R. (2016). *Pipelines or Policies: What's Behind the Fall in Investor Confidence in Alberta?*. Vancouver: *Fraser Institute*. https://www.fraserinstitute.org/studies/pipelines-or-policies-whats-behind-the-fall-in-investor-confidence-in-alberta

26. McKitrick, R. (2016). *Saskatchewan Mega-projects in the 1980s: The Ugly, the Bad and the Good*. Winnipeg: *Frontier Centre for Public Policy*

27. McKitrick, R, Khogali, A & Aliakbari, E. (2016). *Improving Ontario's Contaminated Site Remediation Rules*. Winnipeg: *Frontier Centre for Public Policy*

28. McKitrick, R. (2016). *A Practical Guide to the Economics of Carbon Pricing*. University of Calgary *Calgary School of Public Policy* Research Papers Vol 9 Issue 28, September 2016. https://spp.ucalgary.ca/publications/a-practical-guide-to-the-economics-of-carbon-pricing

29. McKitrick, R. (2015). *The Principle of Targeting in Energy and Environmental Policy*. Vancouver: *Fraser Institute*. http://www.fraserinstitute.org/research/principle-targeting-energy-and-environmental-policy

30. McKitrick, R & Adams, T. (2014). *What Goes Up: Ontario's Soaring Electricity Prices and How to Get Them Down*. Vancouver: *Fraser Institute*. http://www.fraserinstitute.org/research/what-goes-upontarios-soaring-electricity-prices-and-how-get-them-down

31. McKitrick, R & Aliakbari, E. (2014). *Energy Abundance and Economic Growth*. Vancouver: *Fraser Institute*. http://www.fraserinstitute.org/research-news/display.aspx?id=21204

32. Auld, D & McKitrick, R. (2014). *Money to Burn: Assessing the Costs and Benefits of Canada's Strategy for Vehicle Biofuels*. Ottawa: *MacDonald-Laurier Institute* http://www.macdonaldlaurier.ca/files/pdf/MLIbiofuelspaper0626.pdf

33. McKitrick, R. (2013). *Environmental and Economic Consequences of Ontario's Green Energy Act*. Vancouver: *Fraser Institute*. http://www.fraserinstitute.org/research-news/news/display.aspx?id=19538

34. McKitrick, R. (2013). *An Evidence-Based Approach to Pricing CO2 Emissions*. London UK: *The Global Warming Policy Foundation*. http://www.thegwpf.org/ross-mckitrick-evidence-based-approach-pricing-co2-emissions

35. McKitrick, R. (2012). *The High Price of Low Emissions: Benefits and Costs of GHG Abatement in the Transportation Sector*. Ottawa: *MacDonald Laurier Institute* https://www.macdonaldlaurier.ca/files/pdf/The-high-price-of-low-emissions-benefits-and-costs-of-GHG-abatement-in-the-transportation-sector-February-2012.pdf

36. McKitrick, R. (2011). *What Is Wrong With The IPCC? Proposals for Radical Reform*. London UK: *The Global Warming Policy Foundation* http://http/www.thegwpf.org/new-report-reform-or-abandon-the-ipcc

37. McKitrick, R & McCullough, B. (2009). *Check the Numbers: The Case for Due Diligence in Policy Formation*. Vancouver: *Fraser Institute*.

38. McKitrick, R, D'Aleo, J, Khandekar, M, Kininmonth, W & Essex, C. (2007). *The Independent Summary for Policymakers of the IPCC Fourth Assessment Report*. Vancouver: *Fraser Institute*.

39. Beisner, E. Calvin, Paul Driessen, Ross McKitrick and Roy Spencer (2006) *A Call to Truth, Prudence, and Protection of the Poor: An Evangelical Response to Global Warming* Interfaith Stewardship Alliance.

40. McKitrick, R, Green, K & Schwartz, J. (2005). *Pain Without Gain: Shutting Down Coal-Fired Power Plants Would Hurt Ontario*. Vancouver: *Fraser Institute*

41. McKitrick, R & Wigle, R. (2002). *The Kyoto Protocol: Canada's Risky Rush to Judgment*. Toronto: *CD Howe Institute*

42. McKitrick, R. (2002). *Measuring Environmental Productivity in Theory and Practice*. Ottawa: National *Roundtable on Energy and the Environment*

Book Chapters

1. McKitrick, R. (2012). State-Contingent Pricing as a Response to Uncertainty in Climate Policy. *Handbook on Energy and Climate Change*. Cheltenham: Edward Elgar.

2. McKitrick, R. (2012). Choosing Priorities To Balance Economic Growth And Environmental Protection. *Beijing Forum 2011: The Harmony of Civilizations and Prosperity for All -- Tradition and Modernity, Transition and Transformation*. Beijing, China: Peking University Press.

3. McKitrick, R. (2010). Rational Global Climate Policy in an Uncertain World. *Global Climate Policy: Between Expectations and Reality* European Liberal Forum: Berlin.

4. McKitrick, R & Kamer, O. (2009). Long Term Persistence and Nonstationarity in Geophysical Data. *Critical Topics in Global Warming*. Vancouver, British Columbia, Canada: Fraser Institute.

5. D'Aleo, J, Khandekar, M & McKitrick, R. (2009). Problems with the Global Surface Thermometer Network. *Critical Topics in Global Warming*. Vancouver, British Columbia, Canada: Fraser Institute.

6. McKitrick, R. (2008). T3 Tax as a Policy Strategy for Global Warming. *The Vancouver Volumes*. Trafford Press.

7. McKitrick, R. (2008). Response to David Henderson's 'Governments and Climate Change Issues: the Flawed Consensus. *American Institute of Economic Research Economic Education Bulletin*. American Institute of Economic Research.

8. McKitrick, R. (2008). Pollution Policy in Canada: Improving on Success. *Breath of Fresh Air: Market-Based Solutions for Environmental Challenges*. Vancouver, British Columbia, Canada: Fraser Institute.

9. McKitrick, R. (2007). Bringing Balance, Disclosure and Due Diligence into Science-Based Policymaking. *Science in Liberal Democracy: The Challenge to Science and Democracy*. University of Toronto Press.

10. McKitrick, R. (2006). The Mann et al. Northern Hemisphere “Hockey Stick” Climate Index: A Tale of Due Diligence. *Shattered Consensus: The True State of Global Warming*. Rowman and Littlefield.

11. McKitrick, R & Mitchem, C. (2005). Economics: Overview. *The Macmillan Encyclopedia of Science, Technology and Ethics*. Thompson Gale.

12. McKitrick, R. (2004). Budget '03 and the Kyoto Process. *The 2003 Federal Budget: Conflicting Tensions*. John Deutsch Institute.

Encyclopedia Entries

1. McKitrick, Ross. (2015). Marginal Abatement Costs. In *New Palgrave Dictionary of Economics Online*. New Palgrave. Available at https://link.springer.com/rwe/10.1057/978-1-349-95121-5_3017-1 This is an invited entry in the New Palgrave Online Dictionary of Economics. It covers one of the core concepts in environmental economics.. Percentage Contribution: 100

NON-REFEREED PUBLICATIONS

Journal Articles

1. McKitrick, R. (2008). Calling the Carbon Bluff. *Environment and Energy*, 19(5), 707-711.

2. McKitrick, R & Essex, C. (2005). Reply to Professor Nicholls. *Australian Journal of Agricultural and Resource Economics*, 49, 364-367.

Book Chapters

1. McKitrick, R. (2014). A Brief Retrospective on the Hockey Stick. In Alan Moran (Ed.), *Climate Change: The Facts 2014*. *(Accepted)*

Online Resources

1. McKitrick, Ross. (2014). *YourEnvironment.ca*. https://www.yourenvironment.ca
   I developed this website starting in 2014 to disseminate data on air and water pollution (emissions and concentrations), long term climate records, land use, etc. in an easily-accessible graphical format. I use it heavily in my own teaching but it has also become an important public resource for people engaged in environmental education and policy debates.

Submissions to Government Inquiries and Other Official Bodies

1. McKitrick, R. (2025) Testimony, *House of Commons Standing Committee on Environment and Sustainable Development*. April 23, 2026.

2. McKitrick, R. (2025) Testimony, *House of Commons Standing Committee on Environment and Sustainable Development*. October 20, 2025.

3. McKitrick, R. (2021) Testimony, *House of Commons Committee on Natural Resources Hearings on Biofuels and Renewable Fuels Policy in Canada.*

4. McKitrick, R. (2018) Written submission *to the Government of Ontario Standing Committee on Social Policy re: Bill 34, An Act to Repeal the Green Energy Act*

5. McKitrick, R. (2016) Testimony *to the Transport and Communications Committee of the Senate of Canada concerning pipeline construction in Western Canada*

6. McKitrick, R. (2010). Submission of Evidence *to the Independent Climate Change Emails Review ("Climategate" Inquiry)*.

7. McKitrick, R. (2010). Submission of evidence *to the UK House of Commons Science and Technology Committee Inquiry into the Disclosure of Data from the Climatic Research Unit*.

8. McKitrick, Ross. R. (2008) Submission of evidence *to US Environmental Protection Agency re. Advanced Notice of Proposed Rulemaking(ANPR) for Greenhouse Gases Under the Clean Air Act, EPA-HQ-OAR-2008-0318-0117*

9. McKitrick, R & McIntyre, S. (2006). Invited Submission to the US National Research Council regarding *Surface Temperature Reconstructions for the Past 2,000 Years*. Supplementary submission.

10. McKitrick, R (2008). Testimony, *US House Subcommittee on Energy and Air Quality hearings on "Climate Change: Costs of Inaction."* Responses *to Chairman Dingell.*

11. McKitrick, R. (2006). Submission to the UK Stern Commission *on the Economics of Climate Change*.

12. McKitrick, R. (2005). Submission to the House of Lords *Select Committee on Climate Change*.

13. McKitrick, R & McIntyre, S. (2004). Materials Complaint to *Nature Magazine* concerning Mann et al. (1998)

SCHOLARLY HONOURS AND AWARDS

January 2024: **Frederick Seitz Memorial Award**
Science and Environmental Policy Project

September 2015: **Runner Up, Best Paper in the Journal of Insurance Issues**
Western and Southern Risk and Insurance Associations (Received)
Awarded jointly to me and Bin Hu for our paper "Climatic Variations and the Market Value of Insurance Firms."

January 2010: **Julian Simon Memorial Prize**
Competitive Enterprise Institute

September 2003: **Finalist: Canadian Science Writers Association of Canada Book Award**
Canadian Science Writers Association of Canada (Nominated)

September 2003: **$10,000 Donner Prize for Best Book on Canadian Public Policy**
Donner Canadian Foundation

PUBLIC PRESENTATIONS

ACADEMIC AND TECHNICAL PRESENTATIONS SINCE 2012

2026

- February 5: Civitas Institute, University of Texas at Austin
- March 17: Department of Economics, Michigan State University, East Lansing MI
- April 7: Heartland Climate Change conference, Washington DC

2025

- May 13, Heritage Foundation, Washington DC
- March 27, Heterodox Academy, Wilfrid Laurier University, Waterloo ON

- March 20: MacDonald Laurier Institute, Ottawa ON

2024

- November 24: Southern Economics Association, Washington DC
- August 22: Econometric Models of Climate Change, Cambridge University
- July 5: Doctors for Disaster Preparedness, El Paso TX
- May 31: Canadian Economics Association, Toronto Ontario

2023

- August 20: Sixth Conference on Econometric Models of Climate Change, Free University of Amsterdam
- June 1: Canadian Economics Association, Winnipeg
- May 3: Canadian International Council, Montreal
- February 6: Heartland International Climate Conference, Miami FL

2022

- November 8: Pacific Energy Innovation Association, Vancouver BC (virtual)

2021

- October 11: Heartland International Climate Conference (virtual)
- August 26: Fifth Conference on Econometric Models of Climate Change, University of Victoria BC (virtual)
- June 27: European Association of Environment and Resource Economists, Berlin (virtual)
- June 21: House of Commons Standing Committee on Natural Resources, Ottawa (virtual)
- June 7: International Association of Energy Economists (virtual)
- May 27: Society for Environmental Law and Economics (virtual)
- May 10: Irish Climate Science Forum, Dublin (virtual)

2020

- February 10: University of Victoria Department of Economics, Victoria BC
- February 7: University of British Columbia Faculty of Land and Food Systems, Vancouver BC

2018

- November 18: Southern Economics Association, Washington DC
- October 18: Canadian Senate Committee on Energy, Environment and Natural Resources, Ottawa
- August 20: World Federation of Scientists, Erice Italy
- June 1: University Government Relations Officer Conference. Waterloo ON
- April 17: American Statistical Association meetings, Reston VA
- April 28: Civitas Policy Conference, Montreal PQ
- April 2: Guest lecture, University of Guelph Growth and Development class
- March 2: Department of Economics, University of Winnipeg

2017

- November 8: Heartland Institute Energy Conference, Houston TX
- October 1: Canadian Resource and Environmental Economics Study Group, Western University
- June 30: European Environmental and Resource Economics Association, Athens Greece
- June 2: Canadian Economics Association, Antigonish NS
- May 26: Society for Environmental Law and Economics, Oxford UK
- March 16: Heartland Institute 12th International Conference on Climate Change, Washington DC
- February 16: Heritage Foundation Event on Social Cost of Carbon, Washington DC
- February 6: Fourth Santa Fe Climate Conference, Santa Fe NM

2016

- December 9: Harvard Electricity Policy Group, Scottsdale AZ
- November 28: Guest lecturer, Natural Resource Economics, Queen's University Department of Economics, Kingston ON
- November 21-25: Weatherall Visiting Lecturer, Queen's University Department of Economics, Kingston ON
- October 10: Eco-Fiscal Commission, Salon Discussion on Carbon Taxes, Toronto ON
- October 1: Canadian Resource and Environmental Economics Study Group, Banff AB
- September 27: Senate of Canada Transportation and Communications Committee, Ottawa ON
- June 3: Canadian Economics Association, Ottawa ON
- March 1: MLA Panel on Electricity Policy, Calgary AB

2015

- May 30-31: Canadian Economics Association, Toronto ON
- April 22-23: Econometric Applications in Climatology Workshop, Guelph
- April 9-11: Greer-Heard Point Counterpoint Forum, New Orleans LA

2014

- September 18-19: Global Business Forum, Banff Alberta
- August 17-23: World Federation of Scientists Seminar on Planetary Emergencies, Erice Italy
- June 28-July2: World Congress of Environmental Economics, Istanbul Turkey
- June 23-24: Canadian Sustainable Use Network, University of Calgary School of Public Policy
- May 29-June 1: Canadian Economics Association, Vancouver BC
- May 13: Friends of Science Keynote Address, Calgary
- May 2-4: Civitas Public Policy Conference, Toronto ON
- March 12: Environmental Philosophy Guest Lecture, University of Guelph

2013

- November 7: University of Waterloo Department of Statistics and Actuarial Science
- October 9: PhD Research Seminar, College of Management and Economics University of Guelph
- August 17-21: World Federation of Scientists Seminar on Planetary Emergencies, Erice Italy

- July 3: Global Warming Policy Foundation Seminar, UK House of Lords
- June 11: The International Environmetrics Society, Anchorage Alaska
- June 7: First International Workshop on Econometric Applications in Climatology, Guelph ON
- March 1: University of Waterloo Department of Economics

2012

- November 17: CIGI-INET Conference "False Dichotomies", Waterloo ON
- September 29-30: Canadian Resource and Environmental Economics Study Group, Vancouver BC
- September 17-18: Friedrich-Naumann-Foundation for Freedom (FNF) Colloquium on Energy Policy, Potsdam Germany
- August 20-21: World Federation of Scientists Seminar on Planetary Emergencies, Erice Italy
- May 29: Huron College, University of Western Ontario, London ON
- March 27: MacDonald-Laurier Institute, Toronto
- January 30: U of G Economics Department Brownbag Seminar

COMMUNITY AND EXTENSION PRESENTATIONS SINCE 2012

2023

- May 1: Rotary Club, Brampton ON

2021

- June 17: Probus Mississauga (virtual)
- May 11: Rotary Club, Calgary (virtual)
- May 5: Fraser Institute Student Seminar, Vancouver BC (virtual)

2020

- August 20: Royal City Men's Club, Guelph Ontario
- February 8: Fraser Institute Student Policy Seminar

2019

- September 8: Invited Lecture, Climate Change Session, Alaskan Cruise, Glacier Bay Alaska
- March 23: Manning Networking Conference, Ottawa

2018

- June 14: Applewood Probus, Mississauga ON
- April 18: Competitive Enterprise Institute, Washington DC

2017

- February 28: Guelph Wellington Men's Club, Guelph ON

2016

- May 13: Environmental Conference for High School Students, Toronto ON
- April 14: Council for Clean and Reliable Electricity Panel on Carbon Pricing, Hockley Valley ON
- March 29: CO2 Coalition, New York NY
- February 26: Panel on Green Conservatism, Manning Networking Conference, Ottawa ON

2015

- November 19: Cooler Heads Briefing, CEI, Washington DC
- July 29: Community Meeting, West Elgin ON
- June 15: Talk Local Community TV, Guelph ON
- May 12: Competitive Enterprise Institute, Washington DC
- February 28: Wind Concerns Ontario, Guelph

2014

- October 6: University of Guelph Sustainability Class
- March 21: University of Guelph Sustainability Symposium
- March 15: College Royal, University of Guelph

2013

- March 2: Fraser Institute Student Seminar on Public Policy, Toronto
- February 21: Kitchener Third Age Learning Group

2012

- April 19: Confederation Club, Kitchener
- March 16: Grand Valley Group of Engineers, Waterloo
- January 11: Certified Crop Advisor Conference, London ON

INSTITUTIONAL AND COMMUNITY SERVICE

AT THE UNIVERSITY OF GUELPH

Invited Assessment and Review Activities

Intergovernmental Panel on Climate Change. Working Group I, Sixth Assessment Report
Intergovernmental Panel on Climate Change. Working Group I, Fifth Assessment Report
Intergovernmental Panel on Climate Change. Working Group I, Fourth Assessment Report
Intergovernmental Panel on Climate Change. Working Group II, Sixth Assessment Report
Intergovernmental Panel on Climate Change. Working Group II, Fifth Assessment Report

Scientific Program Committee, European Association of Environmental and Resource Economics Annual Meeting, 2022-2024

Swiss National Science Foundation Project Review, December 2025.

Social Science and Humanities Research Council of Canada Insight Grants January 2020
Social Science and Humanities Research Council of Canada Insight Grants January 2014
Earhart Foundation January 2014
Lang School of Business and Economics Tenure and Promotion Committee, September 2018 – April 2023.
Canada Research Chair program, September 2015.

Journal Review Activities

Economics
American Economic Review, Econometrica, Cambridge University Press, Energy Economics, Resource and Energy Economics, Journal of Environmental Economics and Management, Journal of Development Effectiveness, Public Choice, Canadian Journal of Economics, Energy Journal, Energy Policy, Journal of Environmental Management, Journal of Comparative Economics, etc.

Physical Sciences
Nature Communications, Journal of Climate, Climate Dynamics, PLOS-One, University of Toronto Medical Journal, Earth System Dynamics, Climatic Change, International Journal of Climatology, etc.

Committee Memberships

As Chair / Co-Chair

September 2013 – August 2017: Department of Economics and Finance Graduate Admissions Committee, University of Guelph, Canada (Department Service).
University. Department committee. {2013-2014, 2014-2015, 2016-2017}

September. 2013 – August 2017: Department of Economics and Finance Graduate Curriculum Committee, University of Guelph, Canada (Department Service).
University. Department committee. {2013-2014, 2014-2015}; Chair in 2014-2015; Co-Chair in 2013-2014 {2015-2016, 2016-2017}

As Committee Member

July 2023 – April 2025: Lang School of Business and Economics Equity, Diversity and Inclusion Advisory Committee

July 2023 – April 2025: Department of Economics and Finance Equity, Diversity and Inclusion Advisory Committee

September. 2013 – May 2014: Dean Review Committee, University of Guelph, Canada (College Service).
University. College committee. Participated in review of College of Business and Economics Dean at 5-year mark and took part in deliberations leading to recommendations to the administration on reappointment.

September. 2013 – April 2016: College of Business and Economics Graduate Studies Council, University of Guelph, Canada.

September. 2018 - December. 2021: Governing Council, University of Guelph Institute for Environmental Research (GIER), University of Guelph, Canada

September. 2017 - August. 2018: Accessibility Act Compliance for University Websites**,** University of Guelph, Canada

EXTERNAL TO THE UNIVERSITY OF GUELPH

Expert Witness Activities

January 2024: Fact Witness, Baker Hostetler LLP, Washington DC Superior Court
January – June 2021: Expert Witness, Morse Shannon LLP**,** Superior Court of Ontario, Toronto
September 2013: Expert Witness, Environmental Review Tribunal**,** Toronto.

Selected Consulting Work

November 2022 – present: law firm, Washington DC, litigation support (NDA)
February 2022 – September 2022: government agency, Canada, litigation support (NDA)
December 2020 – September 2022: law firm, Washington DC, litigation support (NDA)
January 2019 – present: high-tech company, Canada, general advising (NDA)
January 2017: Ontario Premier's Office**,** General Consulting, Electricity Policy
January-September. 2016: Frontier Centre for Public Policy Research Program on Energy, Ecology and Prosperity.
January 2016 – April 2017: Alexander Holburn Beaudin and Lang LLP (Vancouver) litigation support
January 2014 - Jan. 2017: Cato Institute, Washington DC, Research, reviewing and program advising
January 2013: Congressional Budget Office, Washington DC, Project review

OTHER EVENTS

September 2014: Conference: Discussant / Panelist, G4 Canadian Energy Policy Roundtable (Kananaskis).
January 2009: Conference: Discussant / Panelist, Canada School of Energy and Environment (Banff).
August 2008 Conference: Discussant / Panelist, Department of Finance Summer Retreat with Minister of Finance (Meech Lake).

RESEARCH FUNDING

Title & Role	Source & Type	Amount	Dates
Title: Your Environment Software Development **Role:** Principal Investigator	**Organization:** GOV-DONNER CANADIAN FOUNDATION **Funding Type:** Grant	**Funding Total:** $50,000 CAD	**Funding Dates:** Jan. 2017 - Jan. 2022
Title:	**Organization:**	**Funding Total:**	**Funding Dates:**

Title & Role	Source & Type	Amount	Dates
First International Workshop on Econometric Applications in Climatology **Role:** Principal Investigator	SSHRCC - CONNECTION GRANT **Funding Type:** Grant	$20,000 CAD	Sep. 2013 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** University of Guelph **Funding Type:** Grant	**Funding Total:** $5,000 CAD	**Funding Dates:** Sep. 2013 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** University of Guelph **Funding Type:** Grant	**Funding Total:** $50,000 CAD	**Funding Dates:** Sep. 2012 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** INET/CIGI **Funding Type:** Grant	**Funding Total:** $107,250 CAD	**Funding Dates:** Sep. 2012 - Sep. 2017
Title: Grant - individual **Role:** Principal Investigator	**Organization:** SSHRC **Funding Type:** Grant	**Funding Total:** $5,000 CAD	**Funding Dates:** Sep. 2012 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** SSHRC **Funding Type:** Grant	**Funding Total:** $5,000 CAD	**Funding Dates:** Sep. 2010 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** SSHRC **Funding Type:** Grant	**Funding Total:** $45,000 CAD	**Funding Dates:** Sep. 2007 - present
Title: Grant - individual	**Organization:** SSHRC	**Funding Total:** $134,000 CAD	**Funding Dates:** Sep. 2003 - present

Title & Role	Source & Type	Amount	Dates
Role: Principal Investigator	**Funding Type:** Grant		
Title: Grant - individual **Role:** Principal Investigator	**Organization:** GOV-DONNER CANADIAN FOUNDATION **Funding Type:** Grant	**Funding Total:** $20,000 CAD	**Funding Dates:** Sep. 2002 - present
Title: Internal Award **Role:** Principal Investigator	**Organization:** University of Guelph **Funding Type:** Grant	**Funding Total:** $4,500 CAD	**Funding Dates:** Sep. 2001 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** SSHRC **Funding Type:** Grant	**Funding Total:** $35,517 CAD	**Funding Dates:** Sep. 2000 - present
Title: Grant **Role:** Principal Investigator	**Organization:** GOV-ENVIRONMENT CANADA **Funding Type:** Grant	**Funding Total:** $8,000 CAD	**Funding Dates:** Sep. 2000 - present
Title: Internal Award **Role:** Principal Investigator	**Organization:** University of Guelph **Funding Type:** Grant	**Funding Total:** $4,500 CAD	**Funding Dates:** Sep. 2000 - present
Title: Grant - individual **Role:** Principal Investigator	**Organization:** University of Guelph Inst. Dev. Grant **Funding Type:** Grant	**Funding Total:** $2,500 CAD	**Funding Dates:** Sep. 2000 - present
Title: Internal award **Role:**	**Organization:** SSHRC **Funding Type:**	**Funding Total:** $3,000 CAD	**Funding Dates:** Sep. 1999 - present

Title & Role	Source & Type	Amount	Dates
Principal Investigator	Grant		

Lifetime Funding Summary

Total amount of funding received ..... $499,267 CAD
As Principal Investigator ..... $499,267 CAD