

# Dr JAMES D. FORD

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## HIGHLIGHTS

- **Research:** Interdisciplinary climate change vulnerability & adaptation research
  - **Funding:** >\$7m in research funding since 2009
  - **Publications:** 100 peer reviewed articles, many in leading journals, 89 since 2009
  - **Citation ranking:** Articles highly cited in the human dimensions of climate change field. H-Index 27, i10 index 55
  - **Service:** Chief Editor at *Regional Environmental Change*, Lead author Canadian national coasts and climate change assessment, UN contributor, ArcticNet RMC member
  - **Awards:** CIHR Chair, Young Innovator Award from the Networks of Centres of Excellence
  - **Teaching:** Course instructor for climate change courses, excellent student feedback
  - **Research team:** 44 team members over last 5 years
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## GENERAL INFORMATION

- Associate Professor, Dept. of Geography, McGill University (2014 - ).
- Assistant Professor, Dept. of Geography, McGill University (2009 - 2014).
- CIHR Postdoctoral Fellow (2008-2009) Dept. of Geography, McGill University.
- SSHRC Postdoctoral Fellow (2006-2008) Dept. of Geography, McGill University.
- PhD Geography (2002-2006) Global Environmental Change Group, Department of Geography, University of Guelph.
- Research Scientist (2001-2002) Environmental Change Institute, University of Oxford, UK.
- MSc Environmental Change and Management (2001) Environmental Change Institute, University of Oxford, UK.
- BA Geography (2000) Dept. of Geography, University of Oxford, U.K.

## RESEARCH & SCHOLARLY ACTIVITY

### Current research themes

- Climate change impacts, adaptation and vulnerability among Indigenous populations
- Conceptual and methodological developments in vulnerability and adaptation research
- Novel approaches to tracking climate change adaptation

Published peer reviewed articles

1. **Ford, J.** and King, D. (2015). A framework for evaluating adaptation readiness. *Mitigation and Adaptation Strategies for Global Change*, 20, (4), 505-526.
2. **Ford, J.**, and King, D. (2015). The framing of adaptation in influential North American newspapers. *Environmental Science & Policy*, 48, 137-146.
3. Austin, S., **Ford, J.**, Berrang-Ford, L. Egan, M., Parker, S., Fleury, M. (2015). Public Health Adaptation to Climate Change in Canadian Jurisdictions. *International Journal of Environmental Research and Public Health*, 12, 623-651.
4. Lesnikowski, A., **Ford, J.**, Berrang-Ford, L., Barrera, M., Berry, P., Heymann, J. (2015). How are we adapting to climate change? A systematic approach to measuring global response. *Mitigation and Adaptation Strategies for Global Change*, 20 (2), 277-293.
5. Statham, S., **Ford, J.**, Berrang-Ford, L., Gough, W., Siewierski, R., Lardeau. M.P. (2015). Anomalous climatic conditions during winter 2010/11 and vulnerability of the traditional Inuit food system in Iqaluit, Nunavut. *Polar Record*, 51(3), p301-317.
6. Harper, S., Edge, V., **Ford, J.**, Thomas, K., IHACC, Rigolet Community Government, and McEwen, S. (2015). Lived experience of acute gastrointestinal illness in Rigolet, Nunatsiavut” “Just suffer through it.” *Social Science and Medicine*, 126, 86-98.
7. **Ford, J.**, Cunsolo-Willox, A., Chatwood, S., Furgal, C., Harper, S., Mauro, I., and Pearce, T. (2014). Adapting to the effects of climate change on Inuit health. *American Journal of Public Health*, 104 (S3).
8. **Ford, J.**, McDowell, G., Jones, J. (2014). The state of climate change adaptation in the Arctic. *Environmental Research Letters*, 9, 104005.
9. McDowell, G., and **Ford, J.** (2014). The socio-ecological dimensions of hydrocarbon development in the Disko Bay region of Greenland: Opportunities, risks, and tradeoffs. *Applied Geography* 47, 98-110.
10. Sherman, S. and **Ford, J.** (2014). The role of stakeholder engagement in affecting the performance of adaptation interventions in developing nations: An evaluation of GEF-funded projects. *Climate Policy* 14(3), 417-441.
11. O’Connor, D., and **Ford, J.** (2014). Increasing the effectiveness of the ‘Great Green Wall’ as an adaptation to the effects of climate change on desertification in the Sahel. *Sustainability*, 6(10), 7142-7154.
12. McDowell, G., Stephenson, E., and **Ford, J.** (2014). Adaptation to climate change in glaciated mountain regions. *Climatic Change*, 126:77–91.
13. Berrang-Ford, L., **Ford, J.**, Lesnikowski, A., Poutiainen, C., Barrera, M., and Heymann, S.J. (2014). What drives national adaptation? A global assessment. *Climatic Change Letters* 124 (1-2), 441-450.
14. McLeman, R., Dupre, J., Berrang-Ford, L., **Ford, J.** Gajewski, K., and Marchildon, G. (2014). What did we learn from the Dust Bowl? *Population & Environment* 35 (4), 417-440
15. Lewnard, J.A., Berrang-Ford, L., Lwasa, S., Namanya, D.B., Patterson, K.A., Donnelly, B., Kulkarni, M.A., Harper, S.L.L., Ogden, N.H., Carcamo, C.P., **IHACC Research Team.** (2014). Relative Undernourishment and Food Insecurity Associations with Plasmodium falciparum Among Batwa Pygmies in Uganda: Evidence from a Cross-Sectional Survey. *American Journal of Tropical Medicine and Hygiene*, 91, 39-49.
16. **Ford, J.** (2013). Ford responds. Letter in response to Macpherson and Akpinar-Elci comment on Ford (2012) Indigenous Health and Climate Change. *American Journal of Public Health*, 103 (1): 6-7.

17. **Ford, J.** and Adams, P. (2013). Remote Indigenous Populations and Climate Change: Reducing the Impacts on Health and Well-Being. Chp 13 in “Ensuring a Sustainable Future: Making Progress on Environment and Equity,” Heymann, J et al (eds), Oxford University Press.
18. **Ford, J.** Knight, M., and Pearce, T. (2013). Assessing the 'usability' of climate change research for decision making - A case study of the Canadian International Polar Year. *Global Environmental Change* 23 1317-1326
19. **Ford, J.,** Berrang-Ford, L., Lesnikowski, A., Barrera, M., and Heymann, J. How to Track Adaptation to Climate Change: A Typology of Approaches for National-Level Application. *Ecology & Society*. 18(3).
20. **Ford, J.,** McDowell, G., Shirley, J., Gough, W., Siewierski, R., Pitre, M., Duerdem F., Pearce, T., Adams, P., and Statham, S. The dynamic multiscale nature of climate change vulnerability: An Inuit harvesting example. *Annals of the Association of American Geographers*, 103(5): 1193–1211.
21. **Ford, J.,** Lardeau, M., Blackett, H., Chatwood, D., and Kurzewski, D. (2013). Community food program use in Inuvik, Northwest Territories. *BMC Public Health* 13:970.
22. Sherman, M., and **Ford., J.** (2013). Market engagement and food insecurity after a climatic hazard.. *Global Food Security* 2(3), 144-155
23. Panic, M., and **Ford, J.** (2013). A review of national-level adaptation planning with regards to the risks posed by climate change to infectious diseases in 14 OECD nations. *International Journal of Environmental Research and Public Health* 10, 7083-7109.
24. Lesnikowski, A., **Ford, J.,** Berrang-Ford, L., Barrera, M., Berry, P., Henderson, J., Heymann, J. (2013). National-level factors affecting planned, public adaptation to health impacts of climate change. *Global Environmental Change* 23 1153-1163
25. McDowell, G., **Ford, J.,** Lehner, B., Berrang-Ford, L., and Sherpa, A. (2013) Climate-related hydrological change and human vulnerability in remote mountain regions: a case study from Khumbu, Nepal. *Regional Environmental Change*, 13:299-310
26. Petrasek MacDonald, J., **Ford, J.,** Cunsolo-Willox, A., and Ross, N. (2013). A review of protective factors and causal mechanisms that enhance the mental health of Indigenous Circumpolar youth. *International Journal of Circumpolar Health*, 72
27. McLeman, R., and **Ford, J.** (2013). How demographic change and migration influence community-level adaptation to climate change: Examples from rural eastern Ontario and Nunavut, Canada. In T. Faist & J. Schade, eds. *Disentangling Migration and Climate Change: Methodologies, Political Discourses, and Human Rights*. Berlin: Springer: 55-79.
28. Hofmeijer, I., **Ford, J.,** Berrang-Ford, L., Zavaleta, C., Carcamo, C., Llanos, A., Carhuaz, C., Edge, V., Lwasa, S., and Namanya, D. (2013). Community vulnerability to the health effects of climate change among Indigenous populations in the Peruvian Amazon: A case study of from Panaillo and Nuevo Progreso. *Mitigation and Adaptation Strategies for Global Change*, 18 (7): 957-978
29. Poutiainen, C. Berrang-Ford, L., **Ford, J.,** and Heymann, J. (2013). Civil society organizations and adaptation to the health effects of climate change in Canada. *Public Health*, 127: 403-409
30. Cunsolo Willox, A., Harper, S., **Ford, J.,** Edge, V., Landman, K., Houle, K., Blake, S., and Wolfrey, C. (2013). Climate Change and Mental Health: An Exploratory Case Study from a Nunatsiavut Inuit Context. *Climatic Change*, 121 (2), 255-270
31. Cunsolo Willox, A., Harper, S., Edge, V., Landman, K., Houle, K., **Ford, J.,** and the Rigolet Inuit Community Government. (2013). ‘The Land Enriches Our Soul.’ On environmental change, affect, and emotional health and well-being in Nunatsiavut, Canada. *Emotion, Space, and Society* 6: 14–24
32. **Ford, J.** (2012). Indigenous health and climate change. *American Journal of Public Health* 102 (7): 1260-1266.
33. **Ford, J.,** and Pearce, T. (2012). Climate change vulnerability and adaptation research focusing on the Inuit subsistence sector in Canada: Directions for future research. *The Canadian Geographer*, 56(2): 275-287.
34. **Ford, J** and Goldhar, C. (2012). Climate change vulnerability and adaptation in resource dependent communities: A case study from West Greenland. *Climate Research*, 54: 181-196

35. **Ford, J.**, Bolton, K.C., Shirley, J., Pearce, T., Tremblay, M., and Westlake, M. (2012) A literature review and gap analysis of human dimensions of climate change research in Nunavut, Nunavik, and Nunatsiavut. *Arctic*, 65(3): 289-304
36. **Ford, J.**, Vanderbilt, W. and Berrang-Ford, L. (2012). Authorship in IPCC AR5 and its implications for content: Climate change and Indigenous populations in WGII. *Climatic Change* 113(2): 201-213
37. **Ford, J.**, Bolton, K.C., Shirley, J., Pearce, T., Tremblay, M., and Westlake, M. (2012). Mapping human dimensions of climate change research in the Canadian Arctic. *Ambio*. 41, (8): 808-822
38. **Ford, J.**, Lardeau, M., and Vanderbilt, W. (2012). The characteristics and experience of community food program users in Arctic Canada: A case study from Iqaluit, Nunavut. *BMC Public Health* 12: 464
39. Gibb, C. and **Ford, J.** (2012). Should the United Nations Framework Convention on Climate Change recognize climate migrants? *Environmental Research Letters* 7, 045601 doi:10.1088/1748-9326/7/4/045601
40. Paterson, J., **Ford, J.**, Berrang-Ford, L., Lesnikowski, A., Berry, P., Henderson, J., and Heymann, J. (2012) Adaptation to climate change in the Ontario public health sector. *BMC Public Health*. 12(1): 452
41. Pearce, T., **Ford, J.**, Caron, A., and Kudlak, B. (2012). Climate change adaptation planning in remote, resource-dependent communities: an Arctic example. *Regional Environmental Change*, 12, (4): 825-837
42. Sherman, M., Berrang-Ford, L., **Ford, J.**, Lardeau, M., Hofmeijer, I., Zavaleta, C. (2012). Balancing Indigenous Principles and Institutional Research Guidelines for Informed Consent: A case study from the Peruvian Amazon. *American Journal of Bioethics: Primary Research*, 3(4): 53-68
43. Berrang-Ford, L. Dingle, K., **Ford, J.** Lee, C., Lwasa, S., Namanya, D., Henderson, J., Llanos, A., Carcamo, C., and Edge, V. (2012). Vulnerability of indigenous health to climate change: A Case Study of Uganda's Batwa Pygmies. *Social Science & Medicine*, 75: 1067-1077.
44. Cunsolo Willox, A., Harper, S., **Ford, J.**, Landman, K., Houle, K., Edge, V., and the Rigolet Inuit Community Government. (2012). "From this Place and of this Place:" Climate Change, Health, and Sense of Place in Rigolet, Nunatsiavut, Canada. *Social Science & Medicine*. 75(3): 538-47
45. **Ford, J.**, Vanderbilt, W., and Berrang-Ford, L. (2011). Canadian federal support for climate change and health research compared with the risks posed. *American Journal of Public Health*, 101(5): 814-821.
46. **Ford, J.**, Berrang-Ford, L., and Paterson, J. (2011). A systematic review of observed climate change adaptation in developed nations. *Climatic Change* 106(2): 327-336.
47. **Ford, J.**, Pearce, T., Prno, J., Duerden, F., Berrang-Ford, L., Smith, T., and Beaumier, M. (2011). Canary in a coalmine: Perceptions of climate change impacts, adaptation, and mitigation in the Canadian mining sector. *Climatic Change* 3-4: 399-415
48. **Ford, J.**, and Beaumier, B. (2011). Feeding the family during times of stress: experience and determinants of food insecurity in an Inuit community. *The Geographical Journal* 177 (1): 44-61.
49. Berrang-Ford, L., **Ford, J.**, and Paterson, J. (2011). Are we adapting to climate change? *Global Environmental Change* (21): 25-33
50. Lesnikowski, A., **Ford, J.**, Berrang-Ford, L., Barrera, M., Berry, P., Henderson, J., and Heymann, J. 2011. Adaptation to health impacts of climate change: A systematic study of UNFCCC Annex I countries. *Environmental Research Letters* 6 (4) [doi.org/10.1088/1748-9326/6/4/044009](https://doi.org/10.1088/1748-9326/6/4/044009)
51. Pearce, T., Wright, H., Notaina, R., Kudlak, A., Smit, B., **Ford, J.**, and Furgal, C. (2011). Transmission of Environmental Knowledge and Land Skills among Inuit Men in Ulukhaktok, Northwest Territories, Canada. *Human Ecology*. 39 (3): 271-288.
52. Pearce, T., **Ford, J.**, Prno, J., Duerden, F., Pittman, J., Beaumier, M., Berrang-Ford, L., and Smit, B. (2011). Climate change and mining in Canada. *Mit. Adapt. Strategies for Global Change*, 16 (3): 347-368.

53. Pearce, T., **Ford, J.**, Duerden, F., Smit, B., Andrachuk, M., Berrang-Ford, L., and Smith, T. (2011). Advancing Adaptation Planning for Climate Change in the Inuvialuit Settlement Region (ISR): A Literature Review and Gap Analysis. *Regional Environmental Change*, 11: 1–17.
54. Lardeau, M., Healey, G., and **Ford, J.** (2011). The use of photovoice to document and characterize the food security of users of community food programs in Iqaluit, Nunavut. *Rural and Remote Health* 11 (online), 2011: 1680.
55. **Ford, J.**, Berrang-Ford, L., King, M., and Furgal, C. (2010). Vulnerability of Aboriginal health systems in Canada to climate change. *Global Environmental Change* 20: 668-680.
56. **Ford, J.**, Pearce, T., Duerden, F., Furgal, C., and Smit, B. (2010). Climate change policy responses for Canada's Inuit population: The importance of and opportunities for adaptation. *Global Environmental Change*, 20: 177-191.
57. **Ford, J.**, and Pearce, T. (2010). What we know, don't know, and need to know about climate change vulnerability in the western Canadian Arctic. *Environmental Research Letters* 5 014008 doi:10.1088/1748-9326/5/1/014008.
58. **Ford, J.**, Keskitalo, C., Smith, T., Pearce, T., Berrang-Ford, L., Duerden, F., and Smit, B. (2010). Case study and analogue methodologies in climate change vulnerability research. *Wiley Interdisciplinary Reviews: Climate Change* 1(3): 374-392.
59. **Ford, J.**, Pearce, T., Prno, J., Duerden, F., Berrang-Ford, L., Beaumier, M., and Smith, T. (2010). Perceptions of climate change risks in primary resource use industries: a survey of the Canadian mining sector. *Regional Environmental Change*. 10(1): 65 – 81.
60. **Ford, J.**, Bell, T. and St-Hilaire, D. (2010). Vulnerability of community infrastructure to climate change in Nunavut: A case study from Arctic Bay. In: Smit et al (eds) Climate change vulnerability and adaptation in Arctic regions.
61. Beaumier, M., and **Ford, J.** (2010). Food insecurity among Inuit females exacerbated by socio-economic stresses and climate change. *Canadian Journal of Public Health* 101(3): 196-201.
62. Goldhar, C., **Ford, J.**, and Berrang-Ford. (2010). Prevalence of food insecurity in a Greenlandic community and importance of social-economic-environmental stressors. *International Journal of Circumpolar Health* 69(3): 285-303.
63. Goldhar, C. and **Ford, J.** (2010). Climate change and food security in Qeqertarsuaq, Greenland. Chapter in: Smit et al (eds) Climate change vulnerability and adaptation in Arctic regions, Springer.
64. Pearce, T., Smit, B., Duerden, F., **Ford, J.**, Goose, A., and Katayoak, F. (2010). Inuit vulnerability and adaptive capacity to climate change in Ulukhaktok, Northwest Territories, Canada. *Polar Record* 24(148): 1-21.
65. Thompson, H., Berrang-Ford, L., and **Ford, J.** (2010). Climate change and food security in sub-Saharan Africa. *Sustainability*. (8): 2719-2733.
66. **Ford, J.** (2009). Dangerous climate change and the importance of adaptation for the Arctic's Inuit population. *Environmental Research Letters* 4: doi: 10.1088/1748-9326/4/2/024006.
67. **Ford, J.** (2009). Vulnerability of Inuit food systems to food insecurity as a consequence of climate change: A case study from Igloolik, Nunavut. *Regional Environmental Change* 9(2): 83-100.
68. **Ford, J.**, and Furgal, C. (2009). Climate change impacts, adaptation and vulnerability in the Arctic. *Polar Research* 28(1): 1-9.
69. **Ford, J.**, and Berrang-Ford, L. (2009). Food insecurity in Igloolik, Nunavut: A baseline study. *Polar Record* 45(234): 225-236.
70. **Ford, J.**, Gough, B., Laidler, G., MacDonald, J., Qrunnut, K., and Irgaut, C., Sea ice, climate change, and community vulnerability in northern Foxe Basin, Canada. (2009). *Climate Research*, 37: 138-154.
71. **Ford, J.** (2009). Sea Ice Change in Arctic Canada: Are there Limits to Inuit Adaptation? In Adger, N. et al (eds). *Adapting to Climate Change: Thresholds, Values, and Governance*: 114-128
72. Laidler, G. J., **Ford, J.**, Gough, W. A., Ikummaq, T., Gagnon, A., Kowal, A., Qrunnut, K. and Irgaut, C. (2009). Travelling and hunting in a changing Arctic: assessing Inuit vulnerability to sea ice change in Igloolik, Nunavut. *Climatic Change* 94(3-4): 363-397

73. Pearce, T., **Ford, J.**, Laidler, G., Smit, B., Duerden, F., Allarut, M., Andrachuk, M., Baryluk, S., Dialla, A., Elee, P., Goose, A., Ikummaq, T., Joamie, E., Kataoyak, F., Loring, E., Meakin, S., Nickels, S., Shappa, K., Shirley, J., Wandel, J. (2009). Community collaboration and environmental change research in the Canadian Arctic. *Polar Research* 28(1): 10-27
74. Goldhar, C. **Ford, J.**, and Berrang Ford, L. (2009). Food security in western Greenland: A case study from Qeqertarsuaq. In: Oaks, J., Riewe, R., Bruggencate, C., and Cogswell, A. (eds) *Sacred Landscapes*, Aboriginal Issues Press, Winnipeg.
75. Berrang-Ford, L., MacLean, D., Gyorkos, T., **Ford, J.**, and Ogden, N. (2009). Climate change and malaria in Canada: a systems approach. *Interdisciplinary Perspectives on Infectious Diseases*: 1-13.
76. **Ford, J.** (2008). Emerging trends in climate change policy: The role of adaptation. *International Public Policy Review*, 3(2): 5 – 15.
77. **Ford, J.** (2008). Climate, society, and natural hazards: Changing hazard exposure in two Nunavut communities. *Northern Review*, 28: 51-71.
78. **Ford, J.**, Smit, B., Wandel, J., Allurut, M., Shappa, K., Ittisarjuat, H., and Qrunnut, K. (2008). Climate change in the Arctic: Current and future vulnerability in two Inuit communities in Canada. *The Geographical Journal*, 174(1): 45-62.
79. **Ford, J.**, Pearce, T., and Gilligan, J., Smit, B., and Oakes, J. (2008). Climate change and hazards associated with ice use in Northern Canada. *Arctic, Antarctic and Alpine Research*, 40(4): 647-659.
80. **Ford, J.**, Pearce, T., Smit, B., Wandel, J., Allurut, M., Ittisarjuat, H., and Qrunnut, K. (2007) Reducing vulnerability to climate change in the Arctic: The case of Nunavut, Canada. *Arctic*, 60 (2): 150-166.
81. **Ford, J.**, Smit, B., and Wandel, J.. (2006). Vulnerability to climate change in the Arctic: A case study from Arctic Bay, Nunavut. *Global Environmental Change*, 16 (2): 145-160.
82. **Ford, J.**, Smit, B., Wandel, J., and MacDonald, J. (2006). Vulnerability to climate change in Igloodik, Nunavut: What we can learn from the past and present. *Polar Record*, 42 (221): 127-138.
83. **Ford, J.** and the Community of Igloodik. (2006). Sensitivity of hunting to hazards associated with climate change: Iglulingmiut perspectives. Chapter in Oaks, J., and Riewe, R. (eds) *Climate Change: Linking Traditional and Scientific Knowledge*, Aboriginal Issues Press: 202-235.
84. **Ford, J.** and the Community of Arctic Bay. (2006). Hunting on thin ice: Changing risks associated with the Arctic Bay narwhal hunt. Chapter in Oaks, J., and Riewe, R. (eds) *Climate Change: Linking Traditional and Scientific Knowledge*, Aboriginal Issues Press: 236-254.
85. **Ford, J.**, and Wandel, J. (2006). Responding to climate change in Nunavut: Policy recommendations. Chapter in White, J., Wingert, S., Beavon, D., and Mazim, P. (eds). *Aboriginal Policy Research: Moving Forward, Making a Difference*, Thompson Educational Publishing, Toronto: 103-122.
86. **Ford, J.**, and Smit, B. (2004). A framework for assessing the vulnerability of communities in the Canadian Arctic to risks associated with climate change. *Arctic*, 57(4): 389-400.
87. Boardman, J., Evans, R., and **Ford, J.** (2003) Muddy floods on the South Downs, southern England: problems and response. *Environmental Science & Policy* 6(1), 69-83.

#### In press peer reviewed articles

88. **Ford, J.** and Berrang-Ford, L. The 4Cs of adaptation tracking: consistency, comparability, comprehensiveness, coherency. *Mitigation and Adaptation Strategies for Global Change*.
89. **Ford, J.**, Champalle, C., Tudge, P., Riedlsperger, R., Bell, T., and Sparling, E. A review and evaluation of climate change vulnerability assessments focusing on the built environment in northern Canada. *Mitigation and Adaptation Strategies for Global Change*.
90. **Ford, J.**, Berrang-Ford, L., Bunce, A., McKay, C., Irwin, M. and Pearce, T. The current status of climate change adaptation in Africa and Asia. *Regional Environmental Change*.
91. Pearce, T., **Ford, J.**, Cunsolo Willox, A., and Smit, B. Inuit Traditional Ecological Knowledge in Adaptation to Climate Change in the Canadian Arctic. *Arctic*.

92. Sherman, M., **Ford, J.** et al. Dynamic food system vulnerability and the extreme 2010-2011 floods in the Peruvian Amazon: A case study from the Ucayali region. *Food Security*.
93. Sherman, M., **Ford, J.**, Llanos-Cuentas, A., Valdivia, M.J., Bussalleu, A., and IHACC Research Team (In submission). Vulnerability and adaptive capacity of community food systems in the Peruvian Amazon: A case study from Panaiillo. *Natural Hazards*.
94. Beaumier, M. **Ford, J.**, and Tagalik, S. The food security of Inuit women in Arviat, Nunavut: The role of socio-economic factors and climate change. *Polar Record*.
95. Labbe, J., **Ford, J.**, Berrang-Ford, L., Donnelly, B., Lwasa, S., Namanya, D., Twesigomwe, S, IHACC Research Team, and Harper, S. Vulnerability to the health effects of climate variability in rural southwestern Uganda. *Mitigation and Adaptation Strategies for Global Change*.
96. Petrasek MacDonald, J., **Ford, J.**, Cunsolo Willox, A., Mitchell, C., Konek Productions, My Word' Storytelling and Digital Media Lab, Rigolet Inuit Community Government. Youth-led participatory video as a strategy to connect with Inuit youth resilience and enhance adaptive capacities for dealing with climate change. *Arctic*.
97. Harper, S., Edge, V., **Ford, J.**, Thomas, K., Pearl, D., IHACC, Rigolet Community Government, and McEwen, S. Acute gastrointestinal illness in two Inuit communities: Burden of illness in Rigolet and Iqaluit, Canada. *Epidemiology and Infection*.
98. Berrang-Ford, L., Pearce, T., and **Ford, J.** Systematic review approaches for climate change adaptation research. *Regional Environmental Change*.
99. Harper, S., Edge, V., **Ford, J.**, Thomas, K., Pearl, D., IHACC, Rigolet Community Government, and McEwen, S. Healthcare utilization in two Inuit communities: Acute gastrointestinal illness in Rigolet and Iqaluit, Canada. *International Journal of Circumpolar Health*
100. Harper, S.L., Edge, V., **Ford, J.**, Wood, M., Cunsolo Willox, A., McEwen, S. Climate-Related Health Priorities in Nunatsiavut, Canada. *BMC Public Health*.
101. De Souza, K., Kituyi, E., Leone, M., Harvey, B., Murali, K.S., **Ford, J.** Vulnerability to climate change in three hot spots in Africa and Asia: key issues for policy-relevant adaptation and resilience-building research. *Regional Environmental Change*.
102. Clark, S., L. Berrang-Ford, S. Lwasa, D. Namanya, V.L. Edge, **IHACC Research Team**, and S. Harper. The burden and determinants of self-reported Acute Gastrointestinal Illness among an Indigenous Batwa-Pygmy population in southwestern Uganda. *Epidemiology & Infection*.

#### **In review peer reviewed articles**

1. **Ford, J.**, Berrang-Ford, L., Biesbroek, R., Araos, M., Austin, S., Lesnikowski, A. Adaptation tracking for a post-Kyoto agreement. *Nature Climate Change*.
2. **Ford, J.**, McDowell, G., Pearce, T. The adaptation challenge in the Arctic. *Nature Climate Change*.
3. **Ford, J.** et al. Community based adaptation research in the Arctic. *WIREs Climate Change*.
4. Bunce, A., and **Ford, J.** Is gender being meaningfully engaged in adaptation, resilience, and vulnerability research? *Env Research Letters*
5. Lesnikowski, A., **Ford, J.**, Biesbroek, R., Berrang-Ford, L., Heymann, J. Adaptation progress among high-income nations. *Nature Climate Change*.
6. Champalle, C., **Ford, J.**, Sherman, M. Prioritizing climate change adaptations in Canadian Arctic communities. *Sustainability*.
7. Huet, C., **Ford, J.**, Harper, S. et al. Food insecurity among households with children in Iqaluit, Nunavut. *International Journal of Circumpolar Health*.
8. Petrasek MacDonald, J., **Ford, J.** et al. *Social Science & Medicine*.
9. Guo, Y., Berrang-Ford, L., **Ford, J.** et al. Prevalence and Determinants of Food Security in Iqaluit, Nunavut: A cross-sectional analysis. *International Journal of Circumpolar Health*.
10. Aroas, M., Berrang-Ford, L., **Ford, J.**, Austin, S.E., Biesbroek, R. Adaptation in large cities: a systematic global assessment. *Global Environmental Change*.

11. Pittman, J. Pearce, T. **Ford, J.** et al. Adaptation to Climate Change and Potash Mining in Canada. *Mitigation and Adaptation Strategies for Global Change*.
12. McDowell, G., Stephenson, E., and **Ford, J.** Adaptation, adaptation science, and the status of adaptation in mountain regions. Chapter in edited book “Climate Change Adaptation Strategies – an Upstream-Downstream Lens.”
13. Buddle, E., Cunsolo-Wilcox, A., **Ford, J.**, Shiwak, I., Wood, M., IMHACC Team, and the Rigolet Inuit Community Government. Supporting remote healthcare provision in a rapidly changing climate: A case study from Nunatsiavut, Labrador. *Rural & Remote Health*
14. Sherman, M., Berrang-Ford, L., Lwasa, S., **Ford, J.**, IHACC Research Team. Drawing the line between adaptation and development: A systematic literature review of planned adaptation amidst a development deficit. *Global Environmental Change*.
15. Pearce, T., Smit, B., Fleury, M., Isaac, S., and **Ford, J.** Public health issues related to food security and climate change in Canada. *Canadian Journal of Public Health*.
16. Clark, S., Berrang-Ford, L., Lwasa, S., Namanya, D., **IHACC Research Team**, Kulkarni, M. Insecticide-treated net coverage and use in an Indigenous Batwa population: a longitudinal analysis. *Malaria Journal*.

#### **Peer reviewed organized journal special editions**

1. 2009. Climate change vulnerability and adaptation in the Arctic. Special issue of: *Polar Research*.
2. 2015. Climate change impacts, adaptation and vulnerability in hot spot regions. Special issue of: *Regional Environmental Change*.

#### **Graduate Theses**

- Beaumier, M. (2012). Vulnerability of Inuit women's food system to climate change in the context of multiple socio-economic stresses - a case study of Arviat, Nunavut. MA Thesis.
- Statham, S. (2012). Anomalous climatic conditions during winter 2010/11 and vulnerability of the traditional Inuit food system in Iqaluit, Nunavut. MA Thesis.
- Sherman, S. (2014). Vulnerability and adaptive capacity of community food systems in the Peruvian Amazon: A case study from Panaillo. MA Thesis.
- Maillet, M. (2014). Indigenous peoples in international climate policy. MA Thesis.
- MacDonald, J. (2014). From the Minds of Youth: Exploring Inuit Youth Resilience within a Changing Climate and Applications for Climate Change Adaptation in Nunatsiavut, Labrador, Canada. MA Thesis.

#### **Publication indicators**

- H-Index: 27.
- Coomes et al (2013) calculate productivity of faculty within leading N. American geog. depts (n=369), and comparison highlights that I have the highest publication rate of all sampled geographers, the highest H-Index for my age cohort, and the highest number of cites/yr for a human geographer.
- Wang et al (2014) review all climate change vulnerability research since 1991, revealing that I am the most “productive author,” contributing to McGill ranking 4th in the list of the “most productive institutes” globally.
- Specific articles among the most cited in the field: Berrang-Ford, Ford et al (2011) in GEC is the 2nd most cited adaptation paper since publication in '11 (n=269 citations); Ford & Smit (2004) develops a vulnerability assessment framework for application in the North and is 9/2475 most cited in Arctic (n=153); Ford et al (2010) in GEC is in 11/527 most cited since '10 (n=60);

- My research lab website has >1200 page views a month.

## OTHER PUBLICATIONS

### Edited Volumes

**Ford, J.**, and Berrang-Ford, L. (2011). Climate change adaptation in developed nations: from theory to practice. Springer, Netherlands, 490p.

### Journal contributions

**Ford, J.** (2008). Comment on Susan Crate's "Gone with the bull of winter: Grappling with the cultural implications of and anthropology's role in global climate change." *Current Anthropology* 49(4), 569-595

**Ford, J.** (2009). Climate change and globalization in the Arctic by Carina Keskitalo. *Arctic*

### Commentary

Maillet, M, and **Ford, J.** (2013). Climate change adaptation, Indigenous Peoples and the United Nations Framework Convention on Climate Change (UNFCCC). *Health Diplomacy Monitor* 4(2), 10-13

**Ford, J.** (2008). Climate change adaptation: A priority in Inuit regions. *Sustainable Development Law and Policy*, 8(3), 25 – 31.

### Book chapters (not peer reviewed)

Wandel, J., Smit, B., Pearce, T. and **Ford, J.** (2010). Science and Indigenous Knowledge in Resource Management in the Canadian Arctic. In: Kasperson, R.E. (ed.) Closing the Science/Practice Gap: Vulnerability and Resilience in Global Environmental Change, Earthscan, London, forthcoming 2010.

### National / International Assessments

**Ford, J.**, Bell, T, Couture, N. Perspectives on Canada's North Coast Region. Chapter 5 in Canadian National Coastal Assessment, Natural Resources Canada.

2013. Lead author for ArcticNet IRIS 2 Food Security chapter

2013. Contributing author to chapter 5 "Adaptive and Transformative Capacity" of the Arctic Resilience Report

2013. Contributing author to chapter 3 of the Natural Resources of the Canadian National Assessment

2012. Intergovernmental Panel on Climate Change reviewer for the fifth assessment report.

2007. Contributing author to IPCC Intergovernmental Panel on Climate Change fourth assessment report.

### Reports

Macdonald, J., Huet, C., and **Ford, J.** (2015). The commercialization of country food and food security: The case of Greenland and what Nunavut can learn. Report submitted to the Government of Nunavut.

Austin, S., Shefka, D., **Ford, J.** (2015). Tracking Surveillance and Monitoring of Climate Change and Health Impacts in Canadian Jurisdictions. A report for the Climate Change and Health Office, Health Canada, Ottawa.

- Austin, S., **Ford, J.**, Berrang-Ford, L. (2014). Climate Change Adaptation Actions in the Health Sector and Their Usefulness in Canada. A report for the Climate Change and Health Office, Health Canada, Ottawa.
- Pearce, T., **Ford, J.**, Duerden, F., Furgal, C., Dawson, J., and Smit, B. (2014). Chapter 10 – Factors of Adaptation: Climate Change Policy Responses for Canada’s Inuit Population. ArcticNet IRIS Chapter.
- Berrang-Ford, L., **Ford, J.D.** Austin, S. (2014). State of knowledge and gaps of public health and climate change adaptation. A report for the Public Health Agency of Canada, Ottawa.
- Champalle, C., Tudge, P., Sparling, E., Riedlsperger, R., **Ford, J.**, and Bell, T. (2013). Adapting the built environment in a changing northern climate: A review of climate hazard-related mapping and vulnerability assessments of the built environment in Canada’s North to inform climate change adaptation. Report for Natural Resource Canada, Climate Change Impacts and Adaptation Division, Ottawa, Canada.
- Bolton, K., Loughead, M., **Ford, J** et al. (2011). What we know, don’t know, and need to know about climate change in Nunavut, Nunavik, and Nunatsiavut: A systematic literature review and gap analysis. A report for Indian and Northern Affairs Canada, produced by McGill University, Inuit Tapirrit Kanatami, and the Nunavut Research Institute.
- Ford, J.**, and Beaumier, M. (2009). Food insecurity among Inuit women in Igloolik, Nunavut: The role of climate change and multiple stressors. Final report for Health Canada’s Climate Change Adaptation in Northern First Nations and Inuit Communities Program.
- Pearce, T., **Ford, J.**, et al. (2009). Climate change impacts and adaptations in the Canadian mining sector. Report for the David Suzuki Foundation.
- Pearce, T. **Ford, J.**, et al. (2009). Climate change vulnerability and adaptation in the Inuvialuit Settlement Region: A systematic literature review and gap analysis. Report for Indian and Northern Affairs Canada. p144.
- Pearce, T., **Ford, J.**, et al. (2010). Climate Change Adaptation Action Plan, Ulukhaktok, Northwest Territories. Guelph, Ontario. Joint publication of the Community of Ulukhaktok and ArcticNorth Consulting: 51p. ISBN: 0-9865908-0-
- Pearce, T., **Ford, J.**, et al. (2010). Climate Change Adaptation Action Plan, Paulatuk, Northwest Territories. Guelph, Ontario. Joint publication of the Community of Paulatuk and ArcticNorth Consulting: 53 p. ISBN: 0-9865908-0-8
- Ford, J.** (2008). Scientific challenges, emerging issues, and the Canadian advantage in Arctic research: A social science perspective. Report for the High Arctic Research Station working group.

## RESEARCH FUNDING

### >\$7m in research funding for interdisciplinary social science research

#### Currently funded projects

- **CIHR Applied Public Health Chair.** PI. 2014-2019. PI. \$925,000
- **FRSQ Career award.** Programme de recherche sur l'adaptation aux effets des changements climatiques sur la sante dans l'Arctique Canadien. 2014-2017. PI. \$190,000
- **SSHRC Insight Grant.** Vulnerability and resilience to climate change in the Arctic. PI. 2014-2019. \$499,000
- **Government of Nunavut.** PI, 2015. The commercialization of country food and food security: The case of Greenland and what Nunavut can learn. \$35k.
- **Health Canada.** PI. 2014-2015. Tracking Surveillance and Monitoring of Climate Change and Health Impacts in Canadian Jurisdictions. PI. \$25K.
- **SSHRC Insight Development Grant.** Co-Applicant. 2014-2016. \$74,000.

- **Public Health Agency of Canada.** Co-PI. Climate change and health adaptation in OECD nations: what we can learn from other nations. 2013-2014. \$24,000
- **Health Canada.** PI. Climate change and monitoring health adaptation. 2013-2014. \$10,000
- **CIHR Operating grant, Aboriginal health intervention.** PI. 2012-2015. Indigenous knowledge for adapting to the health effects of climate change. \$1.2m.
- **CIHR Nasivvik Centre for Inuit Health Complimentary Funding.** PI. 2013-14. Exploring participatory video for Inuit youth climate-health research and adaptation in Nunatsiavut, Canada. \$15K.
- **CIHR Knowledge Translation Grant.** PI. 2012-2013. \$14,000. Documenting Inuit traditional knowledge on food.
- **IDRC International research initiative on adaptation to climate change.** 1 of 4 PI's. 2011-2016. Indigenous Health Adaptation to Climate Change. \$2.5m.
- **FRQSC New Researcher Grant.** PI. 2012-2015. Capturing the dynamic nature of climate change vulnerability and adaptation in the Iqaluit subsistence hunting sector. \$39,600.
- **ArcticNet.** PI. Climate change and food security among at-risk populations in regional Inuit centres. 2013-2014. \$100 000.

### Completed projects

1. **SSHRC Standard research grant.** PI. Adaptation to climate change among remote Indigenous populations. \$167 500. Completed.
2. **SSHRC Insight development grant.** PI. 2011-2013. Are we ready to adapt to climate change? \$75,000. Completed.
3. **NRCan Enhancing Competitive in a Changing Climate.** PI. 2012-13. A systematic review of climate hazard related mapping activities and vulnerability assessments of the built environment in Canada's North to inform climate change adaptation. \$129,490. Completed.
4. **SSHRC Research Grants Northern Communities.** PI. Feeding the family during times of change: Climate change, globalization, and food security among Inuit communities. \$152 656. Completed.
5. **Public Health Agency of Canada.** PI. BOI results dissemination and evaluation in Iqaluit, NU. \$24,500. Completed.
6. **CIHR Knowledge Synthesis Grant.** PI. 2010-2011. \$100 000. Completed.
7. **CFCAS Knowledge Translation Grant.** PI. Increasing our understanding of what we are doing, should be doing, and have to be doing about climate change adaptation in the Canadian public health sector. \$70 000. 2010. Completed.
8. **Public Health Agency of Canada.** PI. 2011/2012. Pilot to assess burden of acute gastrointestinal illness survey tool in Nunavut. \$21,000. Completed.
9. **ArcticNet.** PI. Climate change and food security among at-risk populations in regional Inuit centres. 2010-2013. \$300 000. Completed.
10. **Indian and North Affairs Canada.** PI. 2010-2011. A systematic review of climate change in eastern Canada. \$64,640. Completed.
11. **ACRC IPY project.** \$17,500. 2009-2010. Completed
12. **IDRC International research initiative on adaptation to climate change: seed grant.** PI. \$30 000. 2010. Completed.
13. **Nasivvik Centre (CIHR) Complementary Funding Initiative.** PI. Climate change and food security among users of community food programs in Iqaluit, Nunavut. \$15 000. 2010-2011. Completed.
14. **ACRC IPY Project.** Co-PI. 2010-2011. \$18,500. Completed.
15. **Health Canada.** PI. \$25 000 research grant under the "Climate Change and Health Adaptation in Northern First Nations and Inuit Communities Program," for work with community of Igloolik on food insecurity in the context of a changing climate. 2009. Completed.
16. **Health Canada Climate Change and Health Adaptation Program.** Co-PI with Arviat Health Committee. 2010-2011. \$75 000. Completed.

### **Funding performance indicators**

- 1 of 12 recipients of a CIHR Applied Public Health Chair, and only geographer.
- PI on IDRC funded project 1 of only 5 from across Canada to be funded from a pool of ~200. Only project at McGill.
- Funds received from all tri-councils.
- SSHRC Insight grant application ranked #1 out of a pool of 42, receiving full marks on all categories.
- FRSQ Career award ranked #1 out of a pool of 12.

## **CONFERENCES & INVITED PRESENTATIONS**

**35 presentations at leading conferences; invited speaker at UN, CIHR, IDRC and CRC meetings**

### **Conference Presentations (non-invited)**

1. **Ford, J.** (2014). Indigenous health and climate change. UN COP meeting side event, Lima, December 3<sup>rd</sup> 2014.
2. **Ford, J.** and Pearce, T. (2014). A review of vulnerability research in the Arctic. ArcticNet, December 2014, Ottawa.
3. **Ford, J.** (2013). Climate change, traditional knowledge and Inuit health. ArcticNet, December 2013, Halifax.
4. **Ford, J.** (2012). Are we adapting to climate change? Approaches to tracking adaptation action. Adaptation Futures: 2012 International Conference on Climate Adaptation, Tuscon, May 2012
5. **Ford, J.** et al (2012). Mapping human dimensions of climate change research in the Canadian Arctic. IPY Conference, Montreal, April 23<sup>rd</sup> 2012.
6. **Ford, J.** et al (2012). Capturing the dynamic nature of climate vulnerability in the subsistence hunting sector in Iqaluit, Nunavut. IPY Conference, Montreal, April 23<sup>rd</sup> 2012.
7. **Ford, J.** (2011). Indigenous health and climate change: a review. Indigenous Peoples, Marginalized Populations and Climate Change: Vulnerability, Adaptation and Traditional Knowledge, Mexico City, 19-21 July 2011
8. **Ford, J.** (2011). Why are Indigenous populations vulnerable to the health effects of climate change? ICARUS II meeting, Ann Arbor, May 5<sup>th</sup> 2011.
9. **Ford J.** (2010). Climate change and food security among at-risk populations in regional Inuit centres. ArcticNet ASM, December 2010, Ottawa.
10. **Ford, J.** (2010). Can we adapt to climate change in the Canadian Arctic? AAG annual meeting, Washington DC, April 2010.
11. **Ford, J.** (2010). Climate change adaptation in developed nations. AAG annual meeting, Washington DC, April 2010.
12. **Ford, J.** (2010). Climate change and Inuit vulnerability: policy responses. State of the Arctic conference, Miami, March 2010.
13. **Ford, J.** et al. (2009). The vulnerability of Aboriginal health systems to climate change. ArcticNet plenary presentation. 9<sup>th</sup> December 2009.

### **Invited presentations**

1. **Ford, J.** (2015). The Evaluating Health Adaptation to Climate Change (EvHACC) Research Program. CIHR meeting, Ottawa, March 23<sup>rd</sup>, 2015.
2. **Ford, J.** (2014). Adaptation to climate change in the Canadian Arctic. Invited presentation at Griffith University, Australia, May 9<sup>th</sup> 2014.

3. **Ford, J.** (2014). Adaptation tracking: a review of 5 years of research. Invited presentation at the University of the Sunshine Coast, Australia, May 7<sup>th</sup> 2014.
4. **Ford, J.** (2014). The role of traditional knowledge in climate adaptation. Invited presentation at UNFCCC Adaptation Committee meeting, Bonn, April 1-2<sup>nd</sup> 2014.
5. **Ford, J.** (2013). Climate change, adaptation, and Indigenous populations. Invited presentation at “Acting on what we know and how we learn for climate and development policy” meeting at IDS, Brighton, UK. March 2013.
6. **Ford, J.** (2012). Can we adapt to climate change in the Canadian Arctic. Centre for International Peace and Security Studies, McGill University, 15<sup>th</sup> November 2012.
7. **Ford, J.** and Sparling, E. (2012). Climate risks and the built environment in the Canadian North. NRCan webinar, November 2012.
8. **Ford, J.** and Statham, S. (2012). Food Security. ArcticNet Eastern Arctic Regional Science Meeting. Iqaluit, November 2012.
9. **Ford, J.** (2012). What we know (and don’t know) about climate change and Indigenous health. Invited talk at CIHR’s Institute of Aboriginal Peoples Health, May 1<sup>st</sup> 2012.
10. **Ford, J.** (2012). The Indigenous Health Adaptation to Climate Change (IHACC) project. Invited talk to Public Health Agency of Canada and Nunavut Research Institute, Iqaluit March 2012.
11. **Ford, J.** et al (2012). Literature review of three climate change hotspots. CARIAA meeting at COP18, Doha, December 2012.
12. **Ford, J.** (2011). Are we adapting to climate change? Invited talk at the Environmental Change Institute, University of Oxford, 9<sup>th</sup> December 2011.
13. **Ford, J.** et al (2011). Knowledge translation and dissemination in adaptation research. Invited talk at the IDRC, June 2<sup>nd</sup> 2011.
14. **Ford, J.** (2011). Climate change and Indigenous health. Invited talk at the “Environmental Health and Equity: Global Strategies and Innovation” meeting, Institute for Health and Social Policy, McGill, April 29<sup>th</sup> 2011.
15. **Ford, J.** (2011). Adaptation to Arctic climate change. Invited talk to McGill School of the Environment research symposium. April 13<sup>th</sup> 2011.
16. **Ford, J.** (2010). Climate change and health in the Arctic. Invited guest lecture at the Centre for Indigenous Nutrition and Environment, McGill. November 24<sup>th</sup> 2010.
17. **Ford, J.** (2010). Inuit health and climate change. Invited talk to the Faculty of Health Sciences, Simon Fraser University, November 17<sup>th</sup> 2010
18. **Ford, J.** (2010). The human dimensions of Arctic climate change. Invited presentation at OURANOS. October 20<sup>th</sup> 2010.
19. **Ford, J.** (2010). Climate change and Inuit health. Invited keynote presentation to CIHR Institute of Aboriginal Peoples Health. Iqaluit, May 2010
20. **Ford, J.** (2009). The vulnerability of Aboriginal health systems to climate change. CHNET webinar fireside chat presentation. 2<sup>nd</sup> December 2009
21. **Ford, J.** (2009). Climate change vulnerability & adaptation in the Arctic. Soup and Science, McGill, September 14<sup>th</sup> 2009
22. **Ford, J.** (2009). Invited panelist for Canada Research Chair’s “Connect with the North,” Congress of the Humanities and Social Sciences, Ottawa, May 2009

### **Outreach presentations**

1. **Ford, J.** (2015). Adaptation tracking. OURANOS, Montreal, April 8<sup>th</sup>, 2015.
2. **Ford, J.** (2014). Prevalence and Determinants of Food Security in Iqaluit, Nunavut: A seasonal analysis. Presentation at the IHACC results sharing workshop, Iqaluit, June 16<sup>th</sup> 2014.
3. **Ford, J.** (2014). 2014 IPCC Report: What does it say about current and future impacts and vulnerabilities in the Arctic? Presentation at the IHACC results sharing workshop, Iqaluit, June 16<sup>th</sup> 2014.

4. Austin, S., **Ford, J.** et al. (2014). Lessons for Canada in M&E and health adaptation to climate change. Health Canada and Public Health Agency, Ottawa, October 10<sup>th</sup> 2014.

### **Invited but declined**

Invited keynote presenter for the 2nd Climate Change Adaptation Congress in Melbourne, Sept. 2011

### **Workshops organized**

1. Adaptation tracking event organized at OURANOS, April 2015.
2. Indigenous health and climate change. Side event at COP 20, Lima Peru.
3. McGill wide showing and discussion session on 'Lament for the Land,' October 27<sup>th</sup> 2014
4. Community based adaptation in the Arctic workshop, McGill, May, 2014.
5. Iqaluit results sharing workshop for the IHACC project. June 16<sup>th</sup> – 17<sup>th</sup> 2014.
6. Climate change vulnerability and adaptation assessment for public health. Cayatano University, Peru, August 2012.

## **STUDENTS & RAs**

**48 team members in 4 years:**

**6 current grad students, 1 postdoc, 3 graduated MA's, 6 visiting scholars, 6 honors students, 26 research assistants (of whom 17 full-time)**

### **Graduated students**

1. **Maude Beaumier** (MA). 2009-2012. Vulnerability of Inuit women's food system to climate change in the context of multiple socio-economic stresses - a case study of Arviat, Nunavut. Recipient of CIHR masters award and Nasivvik Centre scholarship (total: \$35,000), 1<sup>st</sup> place poster prize at IPY conference. Currently project manager for northern regions at Genivar, Montreal.
2. **Sara Statham** (MA). 2010-2012. Climate change and food security in regional Inuit centers. 2-year CIHR Nasivvik Centre scholarship (total: \$35,000). Currently food security program coordinator for the Government of Nunavut.
3. **Mya Sherman** (MA). 2012-2014. Climatic extremes and food security in the Peruvian Amazon.
4. **Michelle Maillet** (MA). 2011-2014. Indigenous peoples in international climate policy.
5. **Joanna MacDonald** (MA). 2012-2014. From the Minds of Youth: Exploring Inuit Youth Resilience within a Changing Climate and Applications for Climate Change Adaptation in Nunatsiavut, Labrador, Canada.

### **Current Graduate Students**

1. **Knut Kitching** (MA). 2012-2014. Caribou and climate change on south Baffin.
2. **Kaitlyn Finner** (MA). 2012-2014. Food security and climate change in Rigolet.
3. **Lewis Archer** (MA). 2013-2015. Longitudinal analyses of climate change vulnerability in Arctic Bay, Canada.
4. **Anna Bunce** (MA). 2013-2015. Gendered dimensions of climate change vulnerability in Iqaluit, Nunavut.
5. **Dylan Clark** (MA). 2014-. The role of climate change in northern search and rescue operations.
6. **Malcolm Araos** (MA). 2014-. Adaptation assessment in urban areas. Co-supervised with Dr Berrang-Ford.

### **Postdocs**

1. **Ashlee Consolo Willox**. 2012-2013. Indigenous knowledge for adapting to the health effects of climate change. Now a Tier II CRC at University of Cape Breton.

### **Graduate and undergraduate team members**

[\* = those who currently hold, full-time research assistant positions]

1. \***Stephanie Austin** (Research Asst.) 2014 - . Climate change and health in Canada.
2. \***Lesya Nakoneckzny** (Research Asst.). 2012 -. Science communication.
3. \***Jolene Labbe** (Undergrad research assistant). 2013 -
4. \***Catherine Huet** (Research Asst.). 2012 -. Food security in the Arctic.
5. \***Graham McDowell** (Research Asst.). 2008 –2011; 2012 – . Climate change vulnerability assessment.
6. \***Alex Lesnikowski** (Research Asst.). 2010-. Adaptation tracking.
7. **Clara Champalle** (Research Asst.). 2012 - 2014. Climate change adaptation in the Arctic
8. **Pamela Tudge** (Research Asst.). 2012-2013. Climate change adaptation in the Arctic
9. **Juliette Dupre** (Research Asst.). 2012 -. Climate change and migration.
10. **Diana King** (Research Asst.). 2011-2014. Adaptation readiness in northern Canada. Récipient of 2 Nasivvik summer internships (\$10k), National Geographic Society's Committee for Research and Exploration Young Explorers grant (\$5k), and Explorers Club Youth Activity Fund Grant (\$2,500)
11. **Anna Bunce** (Research Asst.). 2011-2014. Climate change funding in Canada
12. **Marie-Pierre Lardeau** (Research Asst.). 2009-2015. Climate change and food security among marginalized community members in Iqaluit.
13. **Courtney McKay** (Research Asst.). 2012 -2013. Water security and Aboriginal communities.
14. **Tyler Wilson** (Research Asst.). 2011 - 2012. Climate change and Indigenous health internship
15. **Will Vanderbilt** (Research Asst.). 2009 – 2012. Science communication, adaptation tracking.
16. **Maggie Knight** (Research Asst.). 2009 – 2011. Science communication.
17. **Carolyn Poutiainen** (Research Asst.). 2009 – 2011. Heath adaptation tracking.
18. **Michelle Maillet** (Research Asst.). 2010 – 2011. Climate change vulnerability & adaptation.
19. **Jaclyn Paterson** (Research Asst.). 2009 – 2011. Global adaptation tracking. Now a researcher in Health Canada's climate change and health office.
20. **Irene Hofmeijer** (Research Asst.). 2009-2010. Climate change and indigenous health in the Peruvian Amazon.
21. **Kathryn Dingle** (Research Asst.).2010. Climate change and health among Uganda's Batwa pygmies.
22. **KC Bolton** (Research Asst.). 2010 – 2011. Arctic climate change literature review.
23. **Amanda Caron** (Research Asst.). 2009 – 2011. Climate change adaptation plan development in the ISR.
24. **Christina Goldhar** (Research Asst.). 2006-2007, 2010-2011. Climate change vulnerability in Greenland.
25. **Tanya Smith** (Research Asst.). 2008 – 2010. Climate change vulnerability and adaptation – general.
26. **Maude Beaumier** (Research Asst.). 2008 – 2009. Climate change and female food insecurity in Igloolik, Nunavut.

### **Visiting scholars**

1. **Melissa Flynn**. 2015. Visiting master's student from UNU Bonn.
2. **Noelia Velasquez**. 2014. Recipient of an Emerging Leaders of the Americas grant to join my team for 6 months from Simon Bolivar University.
3. **Fabienne Kuerner**. 2014. Visiting PhD student from Germany.

4. **Abhinav Sharma.** 2012-2013. Scholarship from government of Italy to be a visiting PhD scholar from the University of Sienna.
5. **Didacus Namanya.** 2012. Scholarship from the African Graduate Research Grant (AGRG) of The Centre for International Governance Innovation (CIGI).
6. **Diego Lindoso.** 2011-2012. Scholarship from the University of Brasilia to be a visiting PhD scholar.
7. **Alex Ginsburg.** 2010 – 2011. Fulbright Fellow. Perception of climate change vulnerabilities and adaptation among Inuit hunters in Nunavik.

### **Student publishing & awards**

- >\$250k in tri-council funding procured by students 2009-2013
- >20 articles published with students and RAs.
- Mya Sherman wins People's Choice Award for Best Presentation at WHO's Climate & Health Summit, COP20, Lima, December 2014.
- Kaitlyn Finner received Institute of Aboriginal People's Health (CIHR) Scientific Director's Award for Master's level research project, summer 2014.
- Diego Lindoso awarded Pêmió Tese CAPES 2014 award in Brazil for best PhD thesis on environmental issues.
- Honors student Odessa DeMarco wins ISID-World Bank Institute Undergraduate Prize for the Best Research Paper on Governance.
- Dylan Clark received Rotary Club scholarship for northern fieldwork, 2014-2016.
- Maude Beaumier: 1<sup>st</sup> placed poster award, IPY conference in Montreal, April 2012.
- Knut Kitching: 1<sup>st</sup> place poster award at the McGill sustainability symposium.
- Maude Beaumier, Sara Statham, Kaitlyn Finner, Anna Bunce: CIHR Scholarships.
- Anna Bunce: FRSQ scholarship.
- Joanna MacDonald: SSHRC scholarship, Royal Canadian Geographic Society Maxwell Studentship.
- Sara Statham Royal Canadian Geographic Society Maxwell Studentship.
- Diana King and Mya Sherman: Recipient of a National Geographic Young Explorers Awards.
- Diana King recipient of Explorers Club Youth Activity Fund Grant.

### **Honors students supervisor**

1. **Clare Heggie.** 2015. Geography.
2. **Madeline Pawlowksi.** 2014-2015. Geography / IDS.
3. **Alex Wieb.** 2014. Geography. "Identifying Risk, Exposure and Vulnerability to Ecological Change: A Framework Analysis of Dive Tourism and Invasive Lionfish in Barbados."
4. **Jenniffer Gobby.** 2014. School of the Environment. "Climate change vulnerability assessment and adaptation plan for Lasqueti Island, BC."
5. **Diana King.** 2013. Geography.
6. **Zelda Moran.** 2013. School of the Environment. "Climate change and water security among First Nations in Canada."
7. **Odessa DeMarco.** 2012, International Development, "Oil and gas development in the Peruvian Amazon: should newer models of extraction proceed?"
8. **Graham McDowell.** 2010, Geography. Climate change vulnerability and adaptation in the Khumbu region of Nepal.

### **Honors students second reader**

1. **Kaitlyn Patterson.** Geography. 2013. (supervisor: Dr Berrang Ford)
2. **Yang Guo.** Geography. 2014. (supervisor: Dr Berrang Ford)

### **Committee Membership**

1. **Marianne Falardeau**, McGill, Natural Resources, PhD, 2015-
2. **HM Tuihedur Rahman**, McGill, PhD, 2014 –
3. **Kaitlyn Patterson**, McGill, MSc, 2013 –
4. **Carol Zavaleta**, McGill, PhD, McGill, 2013 -
5. **Ellen McDonald**. U of Guelph. 2013 -
6. **Robert Dare**, Urban Planning. McGill, PhD, 2012 –
7. **Sherilee Harper**, Dept. of Population Medicine, University of Guelph, PhD. 2010 – 2013.
8. **Cassandra Racicot**, McGill, MSc. 2010-2011.
9. **Ashlee Consolo Willox**, School of Environmental Design & Rural Development, University of Guelph, PhD. 2010-2012.

## TEACHING

### Well-liked courses on environmental change

- Course Instructor for GEOG 406: Human Dimensions of Climate Change; GEOG 514: Climate Change Vulnerability & Adaptation
- 2 day course on climate change adaptation taught at Universidad Peruana Cayetano Heredia, Faculty of Public Health, summer 2012.
- Innovative learning: GEOG 406 UN meeting simulation
- Strong evaluations

### Of interest

Five articles that were submitted in my GEOG 514 class have been published in: *Environmental Research Letters* (Gibb and Ford, 2012), *Climate Policy* (Sherman and Ford, 2014), *International Journal of Environmental Research and Public Health* (Panic and Ford, 2013), *Env Science and Policy* (Ford and King, 2015), and *Sustainability* (O'Connor and Ford, 2014).

## SERVICE

**Contributor to international scientific programs, journal reviews, journal editor, funding reviewer, conference special session organization**

### Continuing

- Chief Editor: Regional Environmental Change
- Research Management Committee member for ArcticNet.
- Editorial board: Rural and Remote Health
- Reviewer of articles: PNAS (2), Global Environmental Change (6), Climatic Change, American Journal of Public Health (2), Arctic (4), Polar Record, Journal of Political Ecology, Polar Research (7), Natural Hazards, Environment Development & Sustainability, Env. Research Letters, Northern Review, Regional Environmental Change (4), Weather Climate & Society, JAMBA, Ecology & Society, Climate & Development, McGill International Journal of Sustainable Development Law and Policy

### Departmental and Student Committees

- 2011-ongoing: Space committee
- 2012-ongoing: PhD committee member of Robert Dare, School of Urban Planning, McGill
- 2011-2013: Graduate Affairs Committee
- 2010-2013: PhD committee member of Sherilee Harper, Population Medicine, U of Guelph

## **2015**

- ArcticNet Phase 4 funding, RMC project review committee (Jan 26<sup>th</sup> - 29<sup>th</sup>)
- Carol Zavaleta comprehensive exams.

## **2014**

- Robert Dare, comprehensive exam. April 2014.
- Organized and hosted a workshop on community based adaptation, May 1<sup>st</sup> and 2<sup>nd</sup> 2014.
- Organized side event at UN COP meeting in Lima, December 2014
- Organized booth exhibition at UN COP meeting in Lima, December 2014
- Organized special session on climate change vulnerability at Arctic Change 2014, Ottawa, December 2014

## **2013**

- Contributing author to chapter 5 “Adaptive and Transformative Capacity” of the Arctic Resilience Report
- Lead author: Canadian national assessment on climate change and coastal regions.
- Faculty committee member for the McGill Sustainability Symposium
- Board member at CIHR Nassivik Centre for Inuit Health and Changing Environments
- External reviewer for MSc thesis of Katherine Birks, CINE

## **2012**

- Lead author, ArcticNet IRIS region 2, food security
- Co-lead author, ArcticNet IRIS region 2, land dangers
- Technical committee member for development of the research program for the Canadian High Arctic Research Station.
- November: Presentation to Geog 631 on the IHACC project
- Panelist: IDRC’s CARIAA workshop at COP18, Doha, December 2012.

## **2011**

- November 2011, PhD comps human geographer for Fabien Hugue.
- 2 day training course on climate change adaptation at Universida Peruana Cayetano Heredia, Faculty of Public Health.
- Editor of book “Climate change adaptation in developed nations” with Springer Publishing
- Geography judge on the science undergraduate research conference, October 13<sup>th</sup> 2011
- External reviewer for Government of Nunavut food security literature assessment
- PhD comps committee for Nicholas Houde, Dept. of Geography, McGill
- MA External examiner for Andra Syvanen, Dept. of Geography, Concordia
- CIHR Nassivik Centre, reviewer of master’s and postdoctoral scholarship applications
- IPCC Fifth Assessment Report external reviewer for 2 chapters in Working Group II.

- Comps committee chair and human geographer for Günter Grill, Dept. of Geography, McGill
- Organizer of Indigenous Peoples and Climate Change special session at ICARUS II conference.
- MSc committee of Cassandra Racicot, CINE.
- PhD comps external examiner for Sherilee Harper, Population Medicine, U of Guelph.

## **2010**

- Organizer of two special sessions at the AAG annual meeting
- PhD comps committee for Bano Mehdi, Dept. of Geography, McGill.

## **2009**

- Invited panelist for Canada Research Chair's "Connect with the North," Congress of the Humanities and Social Sciences, Ottawa, May 2009
- Editor for Journal of Polar Research special edition: "Climate change impacts, adaptation, and vulnerability in the Arctic." Published April 2009.
- Contributing author to the Arctic Council's Sea, Water, Ice and Permafrost in the Arctic (SWIPA) assessment.

## **MEDIA & SCIENCE COMMUNICATION**

- December 10<sup>th</sup> 2014. Anna Bunce's presentation at Arctic Change on her MA work is featured in [Nunatsiaq News](#).
- April 30<sup>th</sup>, 2014. Interview with James Ford on CBC: Climate change effect on northern health. CBC radio, April 30<sup>th</sup> 2014.
- April 12<sup>th</sup>, 2014. "The unfrozen earth, circa 2067," by Ivan Semeniuk in Globe and Mail, profiles my teams work.
- January 4<sup>th</sup> 2014. Profile of my labs work in LeDevoir.  
<http://www.ledevoir.com/environnement/actualites-sur-l-environnement/396481/a-toutes-les-latitudes-chercher-a-s-adapter>
- May 29<sup>th</sup> 2012. Grad student Sara Statham talks about her work on CBC News North.
- May 15<sup>th</sup> 2012. "Climate change hurts access to country foods in Iqaluit: study," by Jane George in Nunatsiaq News profiles my teams work on food security in Iqaluit.
- April 2012. "Climate Change Linked to Waterborne Diseases in Inuit Communities," in National Geographic by Ker Than profiles my work and IHACC.
- November 2011. "Climate Change Health Costs Add Up to One Big Bill" by Sharon Begley in Onearth Magazine profiles my team's work.
- November 2011. "Climate adaptation planning." Article by Kelsey Rideout in November's Above & Beyond profiling my team's work in NWT.
- September 1<sup>st</sup> 2011. "Adapting to climate change," by Jef Akst in The Scientist profiles the IHACC project.
- April 15<sup>th</sup> 2011. "Our earth's a hot potato" by Peggy Curran in the Montreal Gazette profiles my work on adaptation.
- March 2011. Loughhead, M (2011). "The sustenance evolution: using cameras to focus on northern diet," March –April, 2011, pg10-16, in the magazine *Above & Beyond* profiles work done by team member Marie-Pierre Lardeau.
- Feb 15<sup>th</sup> 2011. Getting to the root of Arviat's food insecurity. Nunatsiaq News. Profile of my teams food security work in Arviat.
- August 2010. The *Windspeaker* newspaper profiles my study on Aboriginal health and climate change

17<sup>th</sup> May 2010. On CBC News North primetime TV show, Graham McDowell is interviewed on the Iqaluit Land Use Mapping project.

May 2010. Exploring food security among Iqaluit's marginal population. Museum display at Nunatta Sunakkutangit Museum in Iqaluit

15<sup>th</sup> February 2010. Profile of Ford and Pearce article in ERL on Environmental Research Web

11<sup>th</sup> February 2010. Preserving health and well-being in the North. Profile of my work on the SSHRC website and Dialogue magazine

1<sup>st</sup> February, 2010. Inuit must adapt to climate. Profile of GEC article on CTV News

16<sup>th</sup> December 2009. Climate change costly for Inuit: study. Profile of GEC article on CBC, and >50 newspaper articles via Canada Press Agency.

17<sup>th</sup> November 2009. Interview on CBC News North (TV).

26<sup>th</sup> November 2009. Canada's north on thin ice. Profile of my work in the McGill Daily

9<sup>th</sup> November 2009. TV appearance on APTN news program discussing sea ice and climate change.

September 2009. Article in The Hill Times by SSHRC president Chad Gaffield, notes my food security work as an example of how SSHRC research is tackling the problem of climate change in Canada

September 2009. Quoted in "Canada must reign in tar sands to be credible in Copenhagen," The Hill Times

June 2009. Dangerous climate change and the importance of adaptation for the Arctic's Inuit – profile of my article in Env. Res. Lettrs on Environmental Research Web.

3<sup>rd</sup> April 2009. Interview featured in "Climate clock is ticking," by William Marsden, Montreal Gazette