

ELISABETH ANNE GILMORE

Associate Professor
Norman Paterson School of International Affairs
Civil and Environmental Engineering
Carleton University
Ottawa, Canada
Languages: English, French, Spanish

HIGHLIGHTS for 2025

- Lead PI on “Transforming places for the precariously housed: Equitable adaptation pathways for climate mobilities” funded under the International Joint Initiative for Research in Climate Change Adaptation and Mitigation Competition awarded by the New Frontiers in Research Fund, Canada
- Expert to the Technical Work for the Global Goal on Adaptation (GGA) indicators under the United Arab Emirates–Belém work programme of the UN Paris Agreement on climate change.
- Member of the 17-person United Nations Expert Group on Climate Action and Sustainable Development Goal (SDG) Synergy
- Review Editor for AR7, Intergovernmental Panel on Climate Change, Working Group II.
- Member of Advisory Committee for the Canadian Government’s National Assessment Process for Canada in a Changing Climate
- Member of the Royal Society of Canada’s College of New Scholars, Artists and Scientists

EDUCATIONAL BACKGROUND

07/2004 – 08/2009: Carnegie Mellon University, Pittsburgh, PA, US

Doctor of Philosophy (Dual Degree)

Public Policy and Chemical Engineering

09/2000 – 08/2002: University of Toronto, Toronto, Canada

Master of Applied Science

Chemical and Environmental Engineering

09/1995 – 06/2000: University of Toronto, Toronto, Canada

Bachelor of Applied Science

Chemical and Environmental Engineering

CURRENT AFFILIATIONS

01/2022 – present: **Associate Professor (Primary position)**

Norman Paterson School of International Affairs (started 07/2025: 50%)

Civil and Environmental Engineering (50%)

School of Public Policy and Administration (0%)

Carleton University, Ottawa, Canada

01/2022 – present: **Special Science Advisor/Research Scientist (RES-4) (part-time position)**

Science and Technology Branch

Environment and Climate Change Canada, Gatineau, Canada

07/2025 – present: **Full Research Professor (Forsker I)**

Program in Conditions of Violence and Peace

Peace Research Institute (PRIO), Oslo, Norway

01/2022 – present: **Visiting Professor**

Edward J. Bloustein School of Planning and Public Policy

Rutgers University, New Brunswick, NJ, USA

PREVIOUS AFFILIATIONS

07/2012 – 07/2025: **Affiliated Senior Researcher**

Program in Conditions of Violence and Peace

Peace Research Institute (PRIO), Oslo, Norway

01/2019 – 12/2021: **Senior Climate Policy Adviser (EC-07)/Visiting Scholar**

Economic Analysis Directorate

Environment and Climate Change Canada, Gatineau, Canada

01/2017 – 12/2020: **Associate Professor**

Head of Climate Impacts and Adaptation Concentration

Department of International Development, Community, and Environment

Clark University, Worcester, MA

09/2011 – 12/2016: **Assistant Professor**

Public Policy & Engineering Program

School of Public Policy, University of Maryland, College Park

09/2010 – 08/2011: **AAAS Science and Policy Technology Fellow**

Climate Science and Impacts Branch, Climate Change Division

US Environmental Protection Agency, Washington DC, US

11/2009 – 08/2010: **Post-doctoral Researcher**

Climate Decision Making Center (CDMC)

Carnegie Mellon University, Pittsburgh, PA, US

RESEARCH ACTIVITIES (H-index = 30, retrieved from Google Scholar September 2025)

ARTICLES, BOOKS AND REPORTS (* denotes advisees when work was conducted)

Efforts in Progress

Working papers:

1. Cunningham, K., Jung, D.F, Loyle, C.E., Gentil-Fernandes, L., Huang, R., Gilmore, E.A. (2025). Attribution and Management of Climate Change in Mozambique
2. Maharaj, S., **Gilmore, E.A.** et al. (2025). Adverse Climate: Addressing Inclusion and Diversity Issues in the IPCC's Sixth Assessment and beyond, Available as preprint at: <https://doi.org/10.31223/X59X6S>

Book Chapters (n = 1)

1. Vesco, P., **Gilmore, E.A.**, Buhaug, H. (2025). The impacts of armed conflict on climate action (SDG13): a review of the literature. *Elgar Companion to Peace and the Sustainable Development Goals*, e.d. Hegre, H., Petrova, K., Döring, S. *forthcoming*

Articles Under Review (n = 6)

1. Biesbroek, R., Engbersen, D., Bonenkamp, J., Broek, E., Boon, E., Meijering, J.V., Nalau, J., Ford, J., Totin, E., Leiter, T., **Gilmore, E.A.**, Ebi, K. (2025). International panel of experts agree on key elements of transformational adaptation to climate risks. Under review at *Nature Climate Change*
2. French, K., Kousky, C., Garg, A., Andrews, C., **Gilmore, E.A.** (2025) How city governments manage fiscal impacts from climate-driven disasters. Under review at *Nature Cities*.
3. Bollempalli, M*, Fatema, N., Hunter, R., Bass, K., Adams, A., Dadson, Y*, **Gilmore, E.A.**, Bennett-Gayle, D., Li, A., Ramenzoni, V. (2025). From Transactional to Transformative: Evolving Research Practices Through Mutual Aid Collaboration. Revise and Resubmit *Climate Risk Management*. Available at SSRN: <https://ssrn.com/abstract=5355694> or <http://dx.doi.org/10.2139/ssrn.5355694>
4. Geronimo, L.*, Andrews, C., Kopp, R.E., Payne, W.B., **Gilmore, E.A.** (2025). Tradeoff Analysis of Recovery Pathways post Superstorm Sandy: a New Jersey Case Study. Under review at *Natural Hazards Review*
5. Leininger, J., Andrijevic, M., Brutschin, E, Buhaug, H., **Gilmore, E.A.**, Lindberg, S.I. (2025). No future without politics: A way forward for incorporating political factors in climate scenarios. Under review at *Nature Communications*.
6. Petzold, J., Garschagen, M., Biesbroek, R., **Gilmore, E.A.** et al. (2025). Ways forward in global adaptation evidence synthesis: Lessons learnt from the Global Adaptation Mapping Initiative (GAMI). Under review at *Communications Sustainability*

Reports in Progress (n = 7)

1. **Review Editor** (2027). Chapter 12: North America. Working Group II Contribution, Intergovernmental Panel on Climate Change. 7th Assessment Report, *In Preparation*
2. **Author** (2026). Chapter 6: The human dimension, responses, and solutions. Assessment Report on the Atlantic Meridional Overturning Circulation, JPI Oceans and JPI Climate, *In Preparation*
3. **Coordinating Lead Author** (2025). Feasibility assessment for the bioeconomy. Climate Technology Progress Report 2024: Unleashing Renewable Energy for Ambitious NDCs. United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and Climate Technology Centre and Network (CTCN). Copenhagen, Denmark, *In Preparation*
4. **Author** in IPBES (2025). Indigenous and local knowledge dialogue workshop on scenarios of the future, 23-26 May 2025, Subic Bay, Philippines. Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services
5. **Lead Author** (2025). Chapter 16: Energy System Transformative Pathways, Global Environmental Outlook (GEO-7), UN Environmental Programme, *In preparation*
6. **Contributing Author** (2025). Chapter 8: Western Europe and Others Group (WEOG), Global Environmental Outlook (GEO-7), UN Environmental Programme, *In preparation*
7. **Lead Author** (2025), Unlocking Climate Accountability: A Guide for Supreme Audit Institutions, Report for the Asian Development Bank

Completed Efforts

Books (n = 1)

1. Cunningham, K., **Gilmore, E.A.**, Huang, R., Jung, D., Loyle, C. (2025). Rebel governance in a changing climate, Cambridge Elements: Cambridge University Press., <https://doi.org/10.1017/9781009569439>

Book Chapters (n = 1)

1. **Gilmore, E.A.** (2025). “Public sector decision making”, Chapter 10 in Engineering Economics: Financial Decision Making for Engineers, 8th edition, Pearson Canada.

Articles in Peer Reviewed Journals (n = 48)

1. Geronimo, L.*, Payne, W., **Gilmore, E.A.**, Kopp, R.E., Andrews, C. (2025). “Cultural and institutional factors driving severe repetitive flood losses: Insights from the Jersey Shore”, *Risk Analysis*, DOI: 10.1111/risa.70091
2. **Gilmore, E.A.**, St.Clair, T. (2025). How U.S. states use tax expenditures to advance climate policy, *Climate Policy*. DOI: 10.1080/14693062.2025.2482111 (corresponding author)
3. **Gilmore, E.A.**, Cunningham, K., et al. (2025). Armed rebel groups engage in climate governance. *Climatic Change*. DOI: 10.1007/s10584-025-03893-9 (corresponding author)
4. Helgeson, C., Auermuller, L., Bennett-Gayle, D., Dangendorf, S., **Gilmore, E.A.**, et al. (2025). Exploratory scoping of place-based opportunities for convergence research. *Earth's Future*. 13(3). DOI: 10.1029/2024EF004908
5. Kopp, R.E., **Gilmore, E.A.**, Shwom, R.L et al. (2025). ‘Tipping points’ confuse and can distract from urgent climate action. *Nature Climate Change*. 15, 29–36 DOI: 10.1038/s41558-024-02196-8 (corresponding author)
6. Tennant, E., **Gilmore, E.A.** (2024). Dynamics of armed civil conflict in the wake of tropical cyclones. *Journal of Peace Research*, DOI: 10.1177/00223433241291927
7. Dadson, Y*, Bennett-Gayle, D.M., Ramenzoni, V., **Gilmore, E.A.** (2024). Experiences of immigrants during disasters in the U.S.: A systematic literature review. *Journal of Immigrant and Minority Health*. DOI: 10.1007/s10903-024-01649-8
8. Pradhan, P., Weitz, N., Daioglou, V., ... **Gilmore, E.A.** et al. (2024). Three foci at the science-policy interface for systemic SDG acceleration. *Nature Communications* 15, 8600, DOI: 10.1038/s41467-024-52926-x
9. Nalau, J., **Gilmore, E.A.**, Howdon, M. (2024). Opportunities for strengthening the assessment of adaptation progress in the IPCC, *Nature Climate Action*, 3: DOI: 10.1038/s44168-024-00155-9
10. **Gilmore, E.A.**, Wrathall, D., Adams, H., Buhaug, H., Castellanos, E., Hilmi, N., McLeman, R., Singh, C., Adelekan, I. (2024). Severe risks to mobility in a climate change world. *Climate Risk Management*. 44: 100601. DOI: 10.1016/j.crm.2024.100601 (corresponding author)
11. Simpson, N., Mach, K.J., Tebboth, M., **Gilmore, E.A.**, Siders, A.R., et al. (2024). Research Priorities for Climate Mobility, *Earth's Future*. 7 (4): 589 – 607. DOI: 10.1016/j.oneear.2024.02.002
12. Snorek, J.*, **Gilmore, E.A.** (2023). Student participation at the UNFCCC Convention of the Parties supports transformational learning and engagement on climate action. *Nature Climate Action* 2, 25 (2023). DOI: 10.1038/s44168-023-00052-7

13. **Gilmore, E.A.**, Ghosh, M., Johnston, P., Siddiqui, M.S., Macaluso, N. (2023) Modeling the energy mix and economic costs of deep decarbonization scenarios in a CGE framework. *Climate Change and Energy*. 4: 100106: DOI: 10.1016/j.egycc.2023.100106 (corresponding author)
14. Petrova, K.*, Olafsdottir, G.* Hegre, H., **Gilmore, E.A.** (2023). The 'conflict trap' reduces economic growth in the Shared Socioeconomic Pathways. *Environmental Research Letters*, 18, DOI: 10.1088/1748-9326/acb163 (corresponding author)
15. Buhaug, H., Benjaminsen, T., **Gilmore, E.A.**, Hendrix, C. (2022). Climate-driven risks to peace over the 21st century. *Climate Risk Management*. 39: DOI: 10.1016/j.crm.2022.100471
16. Akin-Olcum, G., Ghosh, M., **Gilmore, E.A.**, Johnston, P., Khabbazan, M.M., Lubowski, R., McCallister, M., Macaluso, N., Peterson, S., Winkler, M., Duan, M., Li, M., Parrado, R., Rausch, S. (2022). A model inter-comparison of the welfare effects of regional cooperation for ambitious climate mitigation targets. *Climate Change Economics*. DOI: 10.1142/S2010007823500094
17. Majaharan, A., Adhikari, S., Ahmad, R., Ahmad, U., Ali, Z., Bajracharya, S.; Baniya, J., Bhattarai, S., Gautam, A., **Gilmore, E.A.**, Ko Hein, M., Myat, N., Myint, T., Mahapatra, P.S, Mishra, A., Singh, C. (2022). Air pollution exposure and its impacts on everyday life and livelihoods of vulnerable urban populations in South Asia. *Environmental Research Communications*. 4, 071002: DOI: 10.1088/2515-7620/ac77e0
18. Cui, Y.*, Waldhoff, S., Clarke, L., Hultman, N., Patwardhan, A., **Gilmore, E.A.** (2022). Evaluating the regional risks to food availability and access from land-based climate policies in an Integrated Assessment Model. *Environment, Systems and Decisions*. DOI: 10.1007/s10669-022-09860-4 (corresponding author)
19. **Gilmore, E.A.**, Kousky, C., St. Clair, T. (2022). Climate change will increase local government fiscal stress in the United States. *Nature Climate Change*. 12, 216–218: DOI: 10.1038/s41558-02201311-x (corresponding author)
20. Morgan, K., Collier, Z., **Gilmore, E.A.**, Schmitt, K. (2022). Decision-first modeling should guide decision-making for emerging risks. *Risk Analysis*. DOI: 10.1111/risa.13888
21. Franzke, C.L.E., Ciullo, A., **Gilmore, E.A.**, Matias, D.M., Nagabhatla, N., Orlov, A., Paterson, S.K., Scheffran, J.; Sillmann, J. (2022). Perspectives on integrated human–Earth system tipping points: Cascading effects and telecoupling. *Environmental Research Letters*. DOI: 10.1088/17489326/ac42fd
22. **Gilmore, E.A.**, Buhaug, H. (2021). Climate mitigation policies and the pathways to armed conflict and violence: Outlining a research agenda. *WIREs Climate Change*. 12 (5): e722. DOI: 10.1002/wcc.722 (corresponding author)
23. McLeman, R, Wrathall, D., **Gilmore, E.A.**, Thornton, P., Adams, H., Gemenne, F. (2021). Human migration thresholds and responses in the IPCC risk framework, *Climatic Change*, 165, 24 (2021). DOI: 10.1007/s10584-021-03056-6
24. Bell, A, Wrathall, D.J., Mueller, V., Chen, J., Oppenheimer, M., Hauer, M., Adams, H., Kulp, S., Clark, P.U., Fussell, E., Magliocca, N., Xiao, T., **Gilmore, E.A.**, Abel, K., Call, M., Slangen, A. (2021). Simulated migrants move toward vulnerable coastlines in Bangladesh under all sea-level change scenarios through 2100, *Environmental Research Letters*, 16 024045: DOI: 10.1088/1748-9326/abdc5b/meta
25. Berrang-Ford, Lea, A. R. Siders, Alexandra Lesnikowski, Alexandra Paige Fischer, Max Callaghan, Neal Haddaway, Katharine Mach.... **Gilmore, E.A.** ... et al. (2021). A systematic global stocktake of evidence on human adaptation to climate change. *Nature Climate Change*. 11, 989–1000: DOI: 10.1038/s41558-021-01170-y
26. Sitati, A., Joe, E., Pentz, B., Grayson, C., Jaime, C., **Gilmore, E.A.**, Joe, E.; Galappaththi, E., Nagle, G., Alverio; K. Mach; M. van Aalst; N. Simpson; P. Schwerdtle; S. Templeman; S. Pandey; S. Zakieldeem; Z. Zommers; I. Ajibade; A. James; L. Safaee Chalkasra; P. Umunay; I. Togola; A. Khousam; G. Scarpa; E.

- Coughlan (2021). Climate change adaptation in conflict-affected countries: A systematic assessment of evidence. *Discover Sustainability*. 2(1): 1-15: DOI: 10.1007/s43621021-00052-9
27. Tennant, E.*, **Gilmore, E.A.** (2020). Government effectiveness and institutions as determinants of tropical cyclone mortality. *Proceedings of the National Academy of Sciences*. 117(46), 28692-28699: DOI: 10.1073/pnas.2006213117
 28. Dawson, J., Holloway, J., Debortoli, N. and **Gilmore, E.A.**, (2020). Treatment of International Economic Trade in Intergovernmental Panel on Climate Change (IPCC) Reports. *Current Climate Change Reports*, October: 1-11: DOI: 10.1007/s40641-020-00163-x
 29. Wrathall, D., Mueller, V., Clark, P.U., Oppenheimer, M., Hauer, M., Kulp, S., **Gilmore, E.A.**, Adams, H., Bell, A., Kopp, R., Abel, K., Call, M., Chen, J., deSherbinin, A., Fussell, E., Hay, C., Jones, B., Magliocca, N., Marino, E., Slangen, A., Warner, K. (2019). Meeting the challenge of future migration from global sea-level change. *Nature Climate Change*, 9: 898-901: DOI: 10.1038/s41558-0190640-4
 30. Kopp, R., **Gilmore, E.A.**, Little, C., Lorenzo-Trueba, J., Ramenzoni, V., Sweet, W. (2019). AGU Centennial Grand Challenge: Usable science for managing the risks of sea-level rise. *Earth's Future*: DOI: 10.1029/2018EF001145
 31. **Gilmore, E.A.**, Heo, J., Muller, N., Tessum, C.W., Hill, J.D., Marshall, J.D., Adams, P. (2019). An intercomparison of air quality social cost estimates from reduced-complexity models. *Environmental Research Letters*: DOI: 10.1088/1748-9326/ab1ab5/meta (corresponding author)
 32. **Gilmore, E. A.** St. Clair, T. (2018). Budgeting for climate change: Obstacles and opportunities at the US state level. *Climate policy*, 18(6), 729-741; DOI: 10.1080/14693062.2017 (corresponding author)
 33. Yang, X., Xi, X., Lin, W., Guo, S., Feng, X., **Gilmore, E.A.** (2018). Evaluation of environmental health benefits of China's building energy conservation policies: an integrated assessment on national and provincial levels, *International Journal of Environmental Health Research*, DOI: 10.1080/09603123.2018.1468421
 34. **Gilmore E.A.**, Risi L.H., Tennant E.*, Buhaug H. (2018). Bridging Research and Policy on Climate Change and Conflict. *Current Climate Change Reports*. 2018 Dec 1;4(4):313-9. DOI: 10.1007/s40641-018-0119-9 (corresponding author)
 35. Siegel, J.*, **Gilmore, E.A.**, Gallagher, N., Fetter, S. (2018). An expert elicitation of the proliferation resistance of using small modular reactors (SMR) for the expansion of civilian nuclear systems. *Risk Analysis*. <https://doi.org/10.1111/risa.12861>
 36. **Gilmore, E.A.** (2017). Introduction to the special issue: Disciplinary perspectives on climate change and violence. *Current Climate Change Reviews*, DOI: 10.1007/s40641-017-0081-y
 37. Hegre, H., Buhaug, H., Calvin, K.V., Nordkvelle, J., Waldhoff, S.T., **Gilmore, E.A.** (2016) Forecasting civil conflict along the Shared Socioeconomic Pathways, *Environmental Research Letters*, 11(5). DOI: 10.1088/1748-9326/11/5/054002
 38. **Gilmore, E.A.**, Patwardhan, A. (2016) Passenger vehicles that minimize the costs of ownership and environmental damages in the Indian market. *Applied Energy*, 184: 863-872: DOI: 10.1016/j.apenergy.2016.09.096 (corresponding author)
 39. Fann, N, **Gilmore, E.A.**, Walker, K. (2015). Characterizing the long-term PM_{2.5} concentration response function: Comparing the strengths and weaknesses of research synthesis approaches. *Risk Analysis*, DOI: 10.1111/risa.12435
 40. **Gilmore, E.A.**, Blohm, A.*, Sinsabaugh, S. (2014). An economic and environmental assessment of transporting bulk energy from a grazing ocean thermal energy conversion facility. *Renewable Energy* 71: 361-367, DOI: 10.1016/j.renene.2014.05.021 (corresponding author)

41. **Gilmore, E.A.**, Lave, L.B. (2013). Comparison of residual prices and total cost of ownership for gasoline, hybrid and diesel light duty passenger cars and trucks. *Transport Policy* 27, 200-208, DOI: 10.1016/j.tranpol.2012.12.007 (corresponding author)
42. **Gilmore, E.A.**, Lave, L.B., Adams, P.J. (2010). Using backup generators for meeting peak electricity demand: a sensitivity analysis on emission controls and human health endpoints. *Journal of the Air and Waste Management Association* 60 (5): 523-531, DOI: 10.3155/1047-3289.60.5.523 (corresponding author)
43. **Gilmore, E.A.**, Apt, J., Walawalkar, R., Adams, P.J., Lave, L.B. (2010). The costs and distribution of the air quality effects of integrating electrical energy storage into electricity grids. *Journal of Power Sources* 195(8): 2405-2413, DOI: 10.1016/j.jpowsour.2009.10.072 (corresponding author)
44. **Gilmore, E.A.**, Lave, L.B., Adams, P.J. (2006). The costs, air quality, and human health effects of meeting peak electricity demand with installed backup generators. *Environmental Science and Technology* 40 (22): 6887-6893, DOI: 10.1021/es061151q (corresponding author)
45. **Gilmore E.A.**, Gleditsch, N.P., Lujala, P., Rød, J.K. (2005). Conflict diamonds: A new dataset. *Conflict Management and Peace Science* 22 (3): 257-272, DOI: 10.1080/07388940500201003
46. Lujala, P., Gleditsch, N.P., **Gilmore, E.A.** (2005). A diamond curse: civil war and a lootable resource. *Journal of Conflict Resolution* 49 (4): 538-562, DOI:10.1177/0022002705277548
47. **Gilmore, E.A.** (2001). A critique of soil contamination and remediation: the dimensions of the problem and the implications for sustainable development. *Bulletin of Science, Technology & Society* 21 (5): 394-400, DOI: 10.1177/027046760102100508 (corresponding author)
48. **Gilmore, E.A.**, Evans, G.J., Ho, M.D. (2001). Radiochemical assessment of the readsorption and redistribution of lead in the SM&T sequential extraction procedure. *Analytica Chimica Acta* 439 (1): 139-151: DOI: 10.1016/S0003-2670(01)01011-X

Reports and Briefs with External Review (n = 16)

1. **Main author** (2025). Harnessing climate and SDG synergy: Quantifying the benefits. 3rd Global Report on Climate and SDG Synergies. UN Framework Convention on Climate Change (UNFCCC) and UN Department of Economic and Social Affairs (UNDESA), https://www.un.org/sites/un2.un.org/files/2025_un_synergy_solutions_covers.pdf
2. **Contributing Expert** to Bustamante, M. & Schüller, J. (2025). Synergy Solutions 2025: How nature conservation can advance SDG and Climate Action. Expert Group on Climate and SDG Synergy. <http://sdgs.un.org/sites/default/files/2025-07/Thematic%20Report%20on%20Nature.pdf>
3. **Lead Author** (2024). Chapter 4: Investment levels and interventions for renewable energy technologies. Climate Technology Progress Report 2024: Unleashing Renewable Energy for Ambitious NDCs. United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and Climate Technology Centre and Network (CTCN). Copenhagen, Denmark. <https://unepccc.org/wp-content/uploads/2024/10/the-climate-technology-progress-report-2024.pdf>
4. **Lead Author** (2024). Chapter 3: Feasibility assessment of renewable energy technologies. Climate Technology Progress Report 2024: Unleashing Renewable Energy for Ambitious NDCs. United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and Climate Technology Centre and Network (CTCN). Copenhagen, Denmark. <https://unepccc.org/wp-content/uploads/2024/10/the-climate-technology-progress-report-2024.pdf>
5. **Contributing Expert** (2024). Synergy Solutions for Climate and SDG Action: Bridging the Ambition Gap for the Future We Want. United Nations DESA and UNFCCC: <https://sdgs.un.org/publications/synergy-solutions-climate-and-sdg-action-bridging-ambition-gap-future-we-want-56106>

6. **Core Author** (2024). Science and Knowledge Considerations to Support Canada's Implementation of the Kunming-Montreal Global Biodiversity Framework. Environment and Climate Change Canada. <https://open-science.canada.ca/items/63b3e12a-91ed-4e84-bae6-ab47a8360a6e?fromSearchPage=true>
7. Rosenzweig, C., Krishna, P., De Mel, M., Arteaga, E., Chen, M., Desanker, P., Dookie, D., **Gilmore, E.**, Kapos, V., Magnan, A., Michael, K., Neufeldt, H., Patwardhan, A., Wei, L., West, R., Zambrano-Barragán, C. (2023). Advancing Effectiveness of Climate Adaptation – Science for Adaptation Policy Brief #7. United Nations Environment Programme. <https://wedocs.unep.org/20.500.11822/43574>
8. **Coordinating Lead Author**. (2023). Chapter 2: Feasibility Assessment for Urban System Transitions in Climate Technology Progress Report, United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and United Nations Framework Convention on Climate Change (UNFCCC) Technology Executive Committee (TEC). Climate Technology Progress Report. Copenhagen, Denmark.
9. **Technical Contributor** (2023) to Wasley, E., T.A. Dahl, C.F. Simpson, L.W. Fischer, J.F. Helgeson, M.A. Kenney, A. Parris, A.R. Siders, E. Tate, and N. Ulibarri, 2023: Ch. 31. Adaptation. In: Fifth National Climate Assessment. Crimmins, A.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, B.C. Stewart, and T.K. Maycock, Eds. U.S. Global Change Research Program, Washington, DC, USA. <https://doi.org/10.7930/NCA5.2023.CH31>
10. **Lead Author**. (2022), Chapter 3: Feasibility Assessment for Technology Climate Progress Report, in Climate Technology Progress Report, United Nations Environment Programme Copenhagen Climate Centre (UNEP-CCC) and United Nations Framework Convention on Climate Change (UNFCCC) Technology Executive Committee (TEC). Climate Technology Progress Report. Copenhagen, Denmark: <https://unepccc.org/the-climate-technology-progress-report-2022/>
11. **Lead Author**. (2022). Summary for Policymakers [H.-O. Pörtner, D.C. Roberts, E.S. Poloczanska, K. Mintenbeck, M. Tignor, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem (eds.)]. In: Climate Change 2022: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 3-33, doi:10.1017/9781009325844.001.
12. **Lead Author**. (2022). Technical Summary. [H.-O. Pörtner, D.C. Roberts, E.S. Poloczanska, K. Mintenbeck, M. Tignor, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem (eds.)]. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 37–118, doi:10.1017/9781009325844.002.
13. **Lead Author**. (2022). Chapter 14: North America: In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 1929–2042, doi:10.1017/9781009325844.016.
14. **Contributing Author** (2022). Chapter 7: Health, Wellbeing, and the Changing Structure of Communities. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 1041–1170, doi:10.1017/9781009325844.009.

15. **Contributing Author** (2022): Chapter 17: Decision-Making Options for Managing Risk. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 2539–2654, doi:10.1017/9781009325844.026.
16. **Contributor** (2014) to National Research Council. The Future of Advanced Nuclear Technologies: Interdisciplinary Research Team Summaries. Washington, DC: The National Academies Press. <https://doi.org/10.17226/18705>

POLICY BRIEFS, BLOGS, AND OTHER NON-REFEREED PRESS (n = 20)

1. **Author** (2025). Experts' final technical report, including information on methodologies, UAE–Belém work programme on indicators, <https://unfccc.int/documents/649630>
2. **Gilmore, E.A.**, et al. (2025). Rebel governance in an age of climate change. New Security Beat: <https://www.newsecuritybeat.org/2025/07/rebel-governance-in-an-age-of-climate-change/>
3. **Gilmore, E.A.** (2025). Synergies between climate action and SDGs must reflect local priorities and aspirations, Synergy Voices: <https://sdgs.un.org/basic-page/synergy-voice-elisabeth-gilmore-59534>
4. Hsueh L, Egli F, **Gilmore E.A.**, Prakash A, Barua A, Hsu A (2025) Confronting challenges and opportunities in climate policy and governance. PLOS Climate 4(6): e0000668. <https://doi.org/10.1371/journal.pclm.0000668>
5. Tennant, E., **Gilmore, E.A.** (2025). In the Wake of a Tropical Cyclone: Turning to Violence or Building Peace? New Security Beat: <https://www.newsecuritybeat.org/2025/03/in-the-wake-of-a-tropical-cyclone-turning-to-violence-or-building-peace/>
6. Kopp, R. **Gilmore, E.A.**, Shwom, R. (2025). Climate change will surprise us, but so-called ‘tipping points’ may lead us astray, Bulletin of the Atomic Scientists: <https://thebulletin.org/premium/2025-03/climate-change-will-surprise-us-but-so-called-tipping-points-may-lead-us-astray/>
7. **Gilmore, E.A.** Olazabal, M., Safra de Campos, R., Thorn, J., Coughlan de Perez, E., and Harper, S. (2024). Charting the future of adaptation: Five key takeaways from Adaptation Futures 2023. PLOS Blogs: <https://latitude.plos.org/2024/01/charting-the-future-of-adaptation-five-key-takeaways-from-adaptation-futures-2023/>
8. Lempert, R., **Gilmore, E.A.** (2022) Climate change will transform how we live, but these tech and policy experts see reason for optimism. The Conversation: <https://theconversation.com/climate-change-will-transform-how-we-live-but-these-tech-and-policy-experts-see-reason-for-optimism-180961> [Updated and republished in March 2023]
9. **Gilmore, E.A.**, Buhaug, H., Adams, H. (2022) What Next for Climate Security? Implications From IPCC Working Group II 6th Assessment Report, <https://www.newsecuritybeat.org/2022/04/climate-security-implications-ipcc-working-group-ii-6th-assessment-report/>
10. Pacillo, G., Loboguerrero, A.M., **Gilmore, E.A.**, Läderach, P., Dutta Gupta, D. (2022) Climate may not directly drive conflict but it's critical for building peace. The Conversation: <https://theconversation.com/climate-may-not-directly-drive-conflict-but-its-critical-for-building-peace-180887>
11. Berrang-Ford, L.; Lesnikowski, A.; Fisher, A.; Siders, A.R.; Mach, K. J.; Thomas, A.; Callaghan, M.; Haddaway, N.; Bezner Kerr, R.; Biesbroek, R.; Bowen, K.; Deryng, D.; Elliott, S.; Ford, J.; Garschagen, M.; **Gilmore, E.A.**; Harper, S.; Hassnoot, M.; Lissner, T.; Lwasa, S.; Magnan, A.K.; Minx, J.; Morecroft, M.; New, M.; Coughlan de Perez, E.; Reckien, D.; Simpson, N.; Singh, C.; Stringer, L.; Totin, E.; Trisos,

- C.; Van Aalst, M. (2021). The Global Adaptation Mapping Initiative (GAMI): Part 1 – Introduction and overview of methods. Global Adaptation Modeling Initiative. <https://assets.researchsquare.com/files/pex-1240/v1/70c41a6a-9ef9-4593-a9f7d8e2b5f550e7.pdf?c=1631872847>
12. **Gilmore, E.A.** (2021). Right enough numbers for air pollution policy. Society for Benefit-Cost Analysis blog post: <https://benefitcostanalysis.org/blog/on-balance/2021-03-30-on-balance-rightenough-numbers-for-air-pollution-policy>
 13. Schmitt, K., **Gilmore, E.A.** (2020). Reorienting STEM education to address policy needs and societal challenges. Invited editorial to the 2020 Canadian Science Policy Conference. <https://sciencepolicy.ca/posts/reorienting-stem-education-to-address-policy-needs-and-societalchallenges/>
 14. **Gilmore, E.A.** (2020). Big data and new technology can help us understand and respond to climate change and conflict risks – here’s how, CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS): <https://www.cgiar.org/news-events/news/big-data-andnew-technology-can-help-us-understand-and-respond-to-climate-change-and-conflict-risks-hereshow/>
 15. **Gilmore, E.A.** (2019). Book review: Why Trust Science? By Naomi Oreskes, Science, 365, 6457: 973-974: <https://blogs.sciencemag.org/books/2019/09/03/why-trust-science/>
 16. **Gilmore, E.A.** (2018). Teachable Moments in Benefit-Cost Analysis: From Obama to Trump, March 7, 2018. On Balance: Society for Benefit-Cost Analysis, <https://benefitcostanalysis.org/balance-teachable-moments-benefit-cost-analysis-obama-trump>
 17. **Gilmore, E.A.** (2017). #Make Our Planet Great Again: Climate Diplomacy and Cooperation at COP23. December 5, 2017 The Global Observatory, <https://theglobalobservatory.org/2017/12/making-our-planet-great-again-climate-diplomacycooperation-cop23/>
 18. **Gilmore, E.A.**, Buhaug, H., Hegre, H. (2016). Maintaining Security. Climate 2020. Available at www.climate2020.org.uk, United Nations Association – UK (UNA-UK)
 19. **Gilmore, E.A.** (2016). Climate, Cooperation, and Conflict after the US Election. November 15, 2016. The Global Observatory, <https://theglobalobservatory.org/2016/11/climate-paris-agreement-cop22trump-marrakesh/>
 20. **Gilmore, E.A.** (2015). “What’s at Stake Here is Peace”: Climate and Conflict at Paris Talks, December 11, 2015. The Global Observatory, <https://theglobalobservatory.org/2015/12/cop21-climateparis-syria-ipcc/>

TALKS AND CONFERENCES

Recent Invited Talks (n = 8)

1. **Keynote**, Climate policy and attribution of responsibility in Canada and globally. Presentation to the Parliamentary Internship for the Environment (PIE) Program. September 2025
2. **Seminar Presentation**, Attribution of responsibility and authority in addressing impacts in a changing climate, Invited Seminar, ICIMOD, August 2025
3. **Keynote**, Accountability and transparency for climate action. Asian Development Bank: Achieving Climate Objectives: Accountability and Transparency, Seoul, South Korea, 5–7 November 2024
4. **Keynote**, “Why we need good governance projections”, Workshop on Political Dimensions of Climate-Related Risks, Peace Research Institute Oslo, Norway, September 2024

5. **Presenter**, “Interdisciplinary research and social science contributions”, Forum on Science Considerations to Inform the Kunming–Montreal Global Biodiversity Framework Implementation in Canada, Environment and Climate Change Canada, Government of Canada, January 2024
6. **Keynote**, “Climate change and fiscal stress”, Building a Sustainable Future: Integrating Climate Action into Fiscal Policies and Public Financial Management Systems, Asian Development Bank, Seoul, Korea, November 2023.
7. **Keynote**. “Climate change and increased local government fiscal stress”. North Star. Oregon Mountain Goats, July 2023 <https://www.northstarcivic.org/gatherings/mt-goats-july-meeting>
8. **Seminar Presentation**, “People and their perceptions for improving policy formulation for air quality and climate policies”, Carnegie Mellon University, Engineering and Public Policy, Seminar Series, June 8, 2023

Recent Workshops (n = 11)

1. **Organizing Committee** (2025). Future Looking Codes and Standards: Future Hazards Workshop, Joint Workshop of Structural Engineering Institute (SEI) of the American Society of Civil Engineers (ASCE) and National Institute of Standards and Technology (NIST), Reston, VA, June 4 – 5, 2025
2. **Organizer** (2025). Future Leaders in Politics (FLIP) Workshop. In collaboration with Environmental Leadership Canada (ELC), Carleton University, Ottawa, Canada, June 10, 2025
3. **Organizing Committee** (2025). Workshop to reflect on scenarios and models to better account for different knowledge systems, including Indigenous and local knowledge systems, and Mother Earth-centric scenarios and models, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), Subic Bay, Philippines, May 23 – 26, 2025
4. **Organizer** (2024). Session on Climate mobilities in Ontario and Canada. Ontario Climate Risk Workshop, University of Toronto, Ontario, October 30 – 31, 2024
5. **Organizer** (2024). Indigen-Engineering Gathering (Indigenous ways of Engineering) on Climate Change and Infrastructure, Learning from Indigenous Housing and Transportation, Carleton University, Ottawa, October 21 – 22, 2024
6. **Presenter** (2023), “Complex dynamics of social systems” at the Dynamics of Climate and the Macroeconomy Workshop, National Academies of Sciences, Washington, DC., November 2023
7. **Organizer**. (2023). Workshop on “Alternative Governance and Climate Change”. 57th North American Meeting of the Peace Science Society, Saint Louis, Missouri, November 2023
8. **Organizer**. (2023). Workshop on “Vulnerability beyond indicators: A knowledge exchange on the methods for evaluating "personal-political" climate vulnerability and adaptation”. Held at Concordia University, October 2023.
9. **Chair**. (2023). Session on “Human mobility and climate change” at International Workshop: The Future of Human Mobility, Toronto Metropolitan University, Canada, September 2023
10. **Chair**. (2023). Session on “Estimating the economic consequences of social processes, including migration and conflict: stability, instability, and tipping points”, New horizons for Increasing the Understanding of Economic Consequences of Climate Change hosted by the Royal Society, United Kingdom, March 2023
11. **Organizer**. (2023). Expert workshop on “State of the Science of “Political future exploring how to improve the representation and usability of sociopolitical factors in the SSPs”, at German Institute of Development and Sustainability (IDOS), Bonn, Germany, <https://www.idos-research.de/en/events/details/state-of-the-science-of-political-futures/>

Recent Conference Presentations and Convening (n = 24)

1. **Gilmore, E.A.** (2025). Convener for Insights and next steps for the Global Goal on Adaptation in the lead up to COP30, Adaptation Futures, Christchurch, New Zealand, Oct 12 – 16, 2025
2. **Gilmore, E.A.** (2025). Arts-based and participatory approaches for mobility perspectives in inclusive pathways for climate adaptation, Adaptation Futures, Christchurch, New Zealand, Oct 12 – 16, 2025
3. **Gilmore, E.A.** (2025). Modelling overshoot, missing society: Political and social systems as central uncertainties in climate overshoot pathways. Overshoot Conference, Sept 30 – Oct 2, 2025
4. **Gilmore, E.A.** (2024). Convener on Responses and adaptation to climate change in fragile contexts, American Geophysical Union, Washington, DC, December 2024.
5. Cunningham, K., Gentil-Fernandes, L., **Gilmore, E.A.**, Huang, R., Jung, D., Loyle, C. (2024). Climate change and rebel governance, American Political Science Association (ASPA), Philadelphia, PA, US, September 2024
6. **Gilmore, E.A.** et al. (2024). One size fits all? Unpacking transformational adaptation for policy and practice, Human geographies of adaptation, Bergen, Norway, May 2024
7. Cunningham, K., **Gilmore, E.A.**, Huang, R., Jung, D., Loyle, C. (2024). Climate change and rebel governance, International Studies Association, San Francisco, US, April 2024
8. **Gilmore, E.A.** (2024). Transformational adaptation, locally-led adaptation, and the Global Goal on Adaptation (GGA), Presented at the Gobeshona Global Conference 4, Online, March 7, 2024.
9. **Gilmore, E.A.** (2023). Convener on Session on “Knowledge co-production for the Global Goal on Adaptation”. Adaptation Futures. Montreal, Canada, October 2023
10. **Gilmore, E.A.**, Ley, D., Li, J., Helgeson, J., Tall, A. (2023). Improving assessment practices to incorporate equitable climate resilience amid increasing complex events, Adaptation Futures, Montreal, Canada, October 2023
11. Moyer, JD., Meisel, C.J., Petery, C., Irfan, M., Burgess, M., **Gilmore, E.A.**, Xiong, Y., Hughes, B. (2023). Which road are we on? Using historical model validation to forecast a most likely global development pathway through 2040. Integrated Assessment Modeling Consortium (IAMC) Annual Meeting, Venice, Italy, November 2023
12. **Gilmore, E.A.**, Buhaug, H. et al. (2023). Narratives for political development in the Shared Socioeconomic Pathways. American Political Science Association (APSA), Los Angeles, CA, September 2023.
13. **Gilmore, E.A.**, Macgillivray, W*. (2023). Experiential Learning Session 1 – Transforming how we think about Projects in Engineering Education: From Project Management to Project Leadership, NICKEL VIII Conference, August 8-9, 2023, Montreal, QC
14. Cunningham, K., **Gilmore, E.A.**, Huang, R., Jung, D., Loyle, C. (2023). Rebel governance and climate change: Outlining a research agenda, International Studies Association Annual Meeting, Montreal, March 2023
15. **Gilmore, E.A.** (2022). Convener on session on “Improving the representation and usability of socio-political factors in the Shared Socioeconomic Pathways (SSPs)”, Scenarios Forum, Vienna, Austria June 20 – 22, 2022

16. Beland, L-P., **Gilmore, E.A.**, Papineau, M. (2021). Socioeconomic status and air pollution exposure as determinants of COVID-19 infections and disease course: Evidence from the Greater Toronto Area. Canadian Economics Association Meeting. June 3 – 5, 2021
17. **Gilmore, E.A.** (2021). Economic growth, armed conflict, and climate change. Society for Benefit Cost Analysis. Online Meeting. March 2021.
18. Tennant, E., **Gilmore, E.A.** (2020). Natural hazards, disasters, and armed conflict. American Geophysical Union Online Meeting. December, 2020.
19. Tennant, E., **Gilmore, E.A.** (2019). Natural disasters, armed conflict, and institutions. Society for Risk Analysis, Arlington, VA, December 2019
20. **Gilmore E.A.**, Heo J, Muller N, Tessum C, Hill J, Marshall J, Adams P (2019). Developing estimates of the social costs of air pollutants and their uncertainty using reduced complexity models. Society for Risk Analysis, Arlington, VA, December 2019
21. von Uexkull, N. di Baldassarre, G., **Gilmore, E.A.**, Hegre, H., Vestby, J., Buhaug, H. (2019). Climate sensitive armed conflict projections for the 21st century, American Political Science Association. Washington, DC. August 2019
22. **Gilmore, E.A.** (2019). Using a mental models approach to synthesize climate-conflict research, International Studies Association. Toronto, Canada. March 2019
23. Bell, A., **Gilmore, E.A.** (2019). Red-yellow-green assessment of SSP use in migration modeling. Scenarios Forum 2019, Denver, CO. March 2019
24. **Gilmore, E.A.**, Hegre, H., Hoyles, F. Olafsdottir, G., Petrova, K. (2019). Economic growth, governance and the implications for climate change. Scenarios Forum 2019, Denver, CO. March 2019

Public Facing Panels (n = 20)

1. **Moderator** (2025). Strengthening climate and SDG synergies for accelerated momentum toward 2030. 2025 High-Level Political Forum (HLPF), United Nations, July 22, 2025
2. **Panelist** (2025). Unpacking the Global Goal on Adaptation: Process, indicators, and gap. Locally-led Adaptation Metrics for Africa. <https://www.arin-africa.org/?event=lama-pre-cop-30-webinar-africa-in-the-global-goal-on-adaptation>, June 27, 2025
3. **Panelist and co-organizer** (2024), Partnerships for climate, biodiversity, and people: Canadian and global perspectives. Side event at the Canadian pavilion at the UNFCCC COP29, Baku, Azerbaijan, November 19, 2024
4. **Panelist** (2024), Scene-Setting Conversation: Global State of Progress on Climate and SDG Synergies. 5th Global Climate and SDG Synergy Conference. Rio de Janeiro, Brazil, September 5 – 6, 2024.
5. **Panelist** (2024), Bridging the ambition gap for the future we want through climate and SDG synergies at the High-level Political Forum for Agenda 2030, United Nations, New York, July 16, 2024
6. **Panelist** (2024), Strengthening scientific cooperation, technology and knowledge sharing and accelerating innovation for integrated climate action (SDG13) at 9th Multi-stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals (STI Forum), United Nations, New York, May 9, 2024
7. **Panelist** (2023), Adaptation-Mitigation Synergies and Tradeoffs, Intergovernmental Panel on Climate Change at the Science for Action Pavilion, UNFCCC, Dubai, UAE December 8, 2023, <https://apps.ipcc.ch/outreach/programme.php?q=135&c=9>

8. **Panelist** (2023), A Stocktake: From climate technology needs to implementation, UN Environmental Programme, UNFCCC, Dubai, December 5, 2023.
9. **Panelist** (2023). Climate Change and Human Rights: The IPCC Synthesis Report. A Side event at the UN Human Rights Council, 52nd session, March 2023
10. **Presenter** (2023), “Mobilizing adaptation to advance climate resilient development: perspectives from the IPCC 6th Assessment Cycle”. Presentation to the Norwegian Government as input to the National Climate Adaptation Planning Assessment, January 2023, Oslo, Norway
11. **Presenter** (2023), “Assessing adaptation needs: findings from the contribution of IPCC Working Group II to its Sixth Assessment Report” <https://unfccc.int/event/ipcc-event-assessing-adaptation-needs-findings-from-the-ipcc-wgii-contribution-to-its-sixth>, Sharm El-Sheik, Egypt at the 27th Convention of the Parties to the UN Framework Convention on Climate Change (UNFCCC), November 2022
12. **Presenter** (2022), “Transformational adaptation addressing complex, compound, cascading and transboundary risks and climate resilient development pathways”, Presentation at workshop on Enhancing adaptation action and support under the Glasgow-Sharm el-Sheikh work programme of the Global Goal on Adaptation, UNFCCC, August 2022
13. **Presenter** (2022), “Key Findings of Working Group II”. Presented to the Subsidiary Body for Scientific and Technological Advice of the United Nations Framework Convention on Climate Change (UNFCCC), June 2022
14. **Panelist** (2022). Financing the transition (adaptation and mitigation), Panel at the Science Pavilion at the Sharm El-Sheik, Egypt at the 27th Convention of the Parties to the UN Framework Convention on Climate Change (UNFCCC), November 2022
15. **Panelist** (2022). Adapting to climate change: Humanity’s progress, limits, and needs - A reflection of the latest IPCC key findings, Panel at the Science Pavilion at the Sharm El-Sheik, Egypt at the 27th Convention of the Parties to the UN Framework Convention on Climate Change (UNFCCC), November 2022
16. **Panelist** (2022). Future climate scenarios – A dialogue with international policymakers on user needs and priorities, Panel at the Science Pavilion at the Sharm El-Sheik, Egypt at the 27th Convention of the Parties to the UN Framework Convention on Climate Change (UNFCCC), November 2022
17. **Panelist** (2022). Migrating Climates and Climate Migration: Discussing the Climate Migration Nexus and Refugee Law in Canada. Balsillie School of International Affairs. <https://www.balsillieschool.ca/event/migrating-climates-and-climate-migration-discussing-theclimate-migration-nexus-and-refugee-law-in-canada/>
18. **Panelist** (2021). Climate Security: The Role of Data and Disruptive Technologies for Climate Security, CGIAR Research Program on Climate Change, Agriculture and Food Security, June 2020, <https://www.cgiar.org/news-events/news/the-role-of-data-and-disruptive-technologies-forclimate-security/AFS>
19. **Panelist** (2020). Climate Change and Sustainability in the City. Carleton University, Expert Discussion Series. January 8, 2020: <https://charlatan.ca/2020/01/climate-change-experts-offerhope-for-future/>
20. **Panelist** (2019). The Environment – Reason for optimism, or reason to panic?. Comments on Steven Pinker’s address, Peace Research Institute of Oslo (PRIO) Seminar, June 6, 2019: <https://www.prio.org/events/event/?x=8728>

COMPETITIVE GRANTS

Awarded at Carleton (Total Funding: \$1.2 million, n = 5 grants)

03/2024 – 03/2027: Lead-PI: Transforming places for the precariously housed: Equitable adaptation pathways for climate mobilities, International Joint Initiative for Research in Climate Change Adaptation and Mitigation Competition awarded by the New Frontiers in Research Fund; \$1.5 million over 3 years with another \$2.0 million awarded to international partners (\$750,000 retained at Carleton).

04/2026 – 03/2029: Co-PI, CLEWs-C2070; Innovative Integration of Climate, Land, and Water into Energy Models for addressing Canada's Net-Zero Commitments, Natural Resources Canada (NRCan) Energy Innovation Program, National Energy Systems Modelling; ~\$100,000 over three years.

06/2023 – 05/2028: PI: Integrating climate change adaptation and mitigation in energy systems. Discovery Grant, National Science and Engineering Research Council (NSERC), Canada: \$190,000 over 5 years

06/2023 – 06/2024: Co-PI: Vulnerability beyond indicators: A knowledge exchange on the methods for evaluating “personal-political” climate vulnerability and adaptation, SSHRC Connection Grant, Workshop in October 2023; \$6,000 over 1 year.

02/2022 – 06/2025: Co-PI: Climate Change & Alternative Governance, US Department of Defense, Minerva Initiative: \$191,000 over 3 years (Terminated early by the US government in Feb 2025)

Mentions on other awards

01/2022 – 12/2026: Co-PI: Bending the Curve with NETs: Developing a New Modeling Framework for Negative Emissions Technologies, Environment and Climate Change Canada

04/2024 – 04/2025: Collaborator: Ontario Climate Risk Workshop, SSHRC Connection Grant

Activities on Funded Efforts External to Carleton

10/2022 – 10/2027: Senior Personnel. POLIMPACT: Enabling Politically Sensitive Climate Change Impact Assessments for the 21st Century”, European Research Council, Awarded at the Peace Research Institute Oslo

09/2021 – 08/2026: Senior Personnel. Large-scale CoPe: Megalopolitan Coastal Transformation Hub

(MACH): Improving the Understanding and Governance of Co-Evolving Hazards, Development, and Coastal Processes, National Science Foundation, Awarded at Rutgers University

Completed Grants

03/2021 – 03/2022: Co-PI, Entre el Desarrollo Sostenible Deseable y el Desarrollo Posible de la Península de Yucatán, México en el Contexto del Cambio Climático, Pan American Institute of Geography and History

10/2019 – 10/2021: Lead PI, Collaborative Research: Workshop: Engaging students in science international decision-making, National Science Foundation

01/2018 – 12/2020: Team member on “A forecast of the timing, locations, sequence and likeliest destinations of populations displaced by sea level rise and coastal extremes.” Supported by the National Socio-Environmental Synthesis Center (SESYNC) under funding from the National Science Foundation

07/2017 – 07/2018: Lead on policy conference on climate and conflict at Wilson Center, March 7 – 8, 2018, Funded through Peace Research Institute, Oslo (PRIO)'s Climate Anomalies and Violent Environments, Research Council of Norway

06/2016 – 02/2018: Lead PI, Minerva Research Initiative, Department of Defense. Case studies on migration and social stress in the face of climate risk

08/2013 – 02/2018: Lead PI, Minerva Research Initiative, Department of Defense. Forecasting civil conflict under different climate change scenarios

07/2014 – 07/2016: Co-PI, Council of the Environment, University of Maryland, Seed Grant, Studying the future of the Chesapeake Bay watershed region by coupling socio-economic and earth-system models

06/2013 – 05/2014: Co-PI, Venture Grant from SESYNC, University of Maryland, Renewable energy from wastewater: A synthesis of the agricultural, energy, and transportation sectors and environmental tradeoffs

04/2013 – 12/2014: Lead PI, ADVANCE Seed Grant, University of Maryland, Quantifying human health effects from climate change in an integrated assessment model

07/2012 – 11/2012: Lead PI, Lockheed Martin, Costs and environmental attributes of bulk energy transportation options for renewable energy

Current Contracts

06/2025 – 12/2025: Workshop steering committee, Climate Science for use in Codes and Standards for Building and Infrastructure Systems. Structural Engineering Institute (SEI) of the American Society of Civil Engineers (ASCE) and US National Institute of Standards and Technology

07/2024 – 03/2025: International climate change expert, Achieving climate change objectives through public financial management reforms, Asian Development Bank

09/2024 – 08/2025: Adjunct Associate Research Scientist, Assessment of Climate Science Projections and Their Application in Codes and Standards, US National Institute of Standards and Technology (NIST) and the Whiting School of Engineering at the Johns Hopkins University

FELLOWSHIPS, PRIZES AND AWARDS

- Royal Society of Canada, College of New Scholars, Artists and Scientists (2025)
- Scholar of Distinction, Achievement Rewards for College Scientists – Pittsburgh Chapter (2023)
- Future Learning Innovation Fellowship, Carleton University (2023)
- Next Generation Visiting Researcher Award, held at Bristol University, UK (2023)
- Calouste Gulbenkian Foundation Award (2022) won as part of the Intergovernmental Panel on Climate Change (IPCC)
- Clark University Nominee for the Andrew Carnegie Fellows Program (2017)
- University of Maryland Finalist for the ORAU Ralph E. Powe Junior Faculty Enhancement Award (2012)
- American Association for the Advancement of Science (AAAS), Science and Technology Policy Fellowship (2010 – 2011)

TEACHING ACTIVITIES

External teaching

- Instructor, Himalayan University Consortium (HUC) Academy on Climate and Migration. August 4 – 9, 2025, Dhulikhel, Nepal
- Invited Lecture, Public Finance and Climate Change: Expanding the Conversation on Sustainability, Harvard University, Kennedy School, 2022

Carleton University

- Engineering Economics (ECOR3800)
- Integrated Assessment Modeling (ENVE5703W)
- Environmental Planning and Impact Assessment (ENVE 4104)
- Climate Change Collaborative Graduate Course (CLIM5000)

Clark University

- The Policy and Practice of International Climate Negotiations (IDCE358)
- Case Studies in Environmental Issues and Policy Analysis (IDCE30102)
- Climate Science and Policy (IDCE30205)
- Global Environmental Issues (IDCE351)

University of Maryland

- Getting to 2 degrees: The politics and practice of climate negotiations (PUAF688Q)
- Decision Analysis for Environmental and Energy Applications (PUAF689K)
- Coupled Natural and Human Systems (GEOG738E)
- Microeconomic and Public Policy (PUAF640)

RECENT MEDIA MENTIONS

- Revkin A. Sustain What? <https://www.youtube.com/watch?v=c91ocBfC1GI> and <https://revkin.substack.com/p/a-watchwords-warning-about-tipping>
- Scientific American, “Why ‘tipping points’ are the wrong way to talk about climate change”, Dec 2024
- Wall Street Journal, “Hurricanes could cause thousands more deaths than federal statistics show”, Oct 2024
- Capital Current, “Ecology Ottawa urges the city to fund a community-run air quality monitoring program”, Dec 2023
- University Affairs, “The race to net zero”, Sept 2023
- Ottawa Citizen, “Your wildfire guide — stay indoors, drink water and call your local politicians as though the air you breathe depends upon it”, July 2023
- The World, PRX, “UN says still time to fight climate change”, Mar 2023
- National Public Radio (NPR), “With Manchin deal, talk of Biden's climate emergency declaration may be dead”, Jul 28, 2022
- New Scientist, “40 per cent of people could live outside 'human climate niche' by 2100”, Jul 1, 2022
- Canadian Broadcast Corporation, “Europe's path away from Russian oil and toward renewable energy is paved with a dirty reality”, May 6, 2022
- USA Today, “With climate catastrophe looming, experts say world also needs carbon removal solutions”, May 2, 2022
- USA Today, “People are dying: Global warming already being seen in North America, UN report finds”. Mar 9, 2022
- Vancouver Sun, “Climate report a dire warning”. March 3, 2022
- APTN, “UN releases ‘stark report’ on climate crisis and how the world is dealing with these changes”, Mar 1, 2022

EXPERT ACTIVITIES

Editorial responsibilities

- 09/2025 – present: Associate Editor at FACETS, the official journal of the Royal Society of Canada’s Academy of Science
- 04/2024 – 09/2025: Associate Editor at Current Opinion in Environmental Sustainability
- 08/2023 – 04/2025: Associate Editor at IEEE Technology and Society Magazine
- 05/2023 – present: Section Editor for Policy and Governance PLOS Climate
- 01/2016 – present: Section Editor on Economics and Public Policy at Current Climate Change Reports
- 01/2016 – present: Editorial Board of Environment Systems & Decisions

Committee and expert activities

- 09/2025 – present: Review Editor, Working Group II, Intergovernmental Panel on Climate Change
- 03/2025 – present: Peer Review Committee, Evaluando las implicancias de las pérdidas y daños del cambio climático en la movilidad humana en América Latina, International Organization for Migration (IOM), United Nations
- 09/2024 – 02/2025: Chapter Author, Chapter: the Science of Risk Management in 6th National Climate Assessment (NCA6), United States
- 09/2024 – present: Member of Advisory Committee for Canada in a Changing Climate: National Assessment Process
- 09/2024 – present: Expert to the technical work for the Global Goal on Adaptation (GGA) indicators under the United Arab Emirates–Belém work programme (Coordinator of the ecosystem and biodiversity team)
- 07/2024 – present: Member of the Expert Group on Climate and SDG Synergy, United Nations
- 03/2024 – present: Member of the Taskforce on Scenarios and Models for the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)
- 05/2023 – present: Ex-officio Member of My Climate Risk, World Climate Research Programme
- 01/2023 – present: Co-Chair of Global Goal on Adaptation (GGA) Working Group for WASP
- 09/2022 – present: Member of Scientific Committee, UN World Adaptation Science Programme (WASP)
- 09/2018 – present: Advisory Team of Global Adaptation Mapping Initiative: A collaborative network for mapping global evidence on climate change adaptation: <https://globaladaptation.github.io/>

Elected Activities

- 12/2018 – 03/2020: Secretary of the Society for Risk Analysis
- 01/2016 – 12/2017: Chair of Economics and Benefits Analysis Specialty Group
- 09/2014 – 12/2017: Secretary for the Society for Benefit Cost Analysis

Reviewing activities

- **Panel Member**, Natural Sciences and Engineering Research Council (NSERC), Discovery Grant Panel for Civil, Industrial, and Systems Engineering Evaluation Group (2024 – 2026)
- **Recent Panels**: NSERC Alliance, NSF Panels, European Research Council
- **Expert Review Activities**: Invited Reviewer for “Canada’s Changing Climate Report”, Invited Reviewer for MedECC “Special Report on Environmental Changes, Conflict and Human Migration”, Invited Reviewer for New York State’s “Climate Impact Assessment, Economic Analysis Report”, Invited Reviewer for UNDP/IDOS, “How does progress on SDG 16 affect progress on SDG 13”.
- **Journal Reviewing Activity**: Earth’s Future, Climatic Change, Environmental Science and Technology, Risk Analysis, Environmental Research Letters, Journal of Peace Research, Journal of Political Geography, Environmental Systems & Decisions, International Studies Quarterly, Global Environmental Politics, Lancet Planetary Health, Journal of Conflict Resolution, Health Affairs, Climate Action, World Development, Global Environmental Change, Proceedings of the National Academic of Sciences.