S. JEFF BIRCHALL, PhD, RPP, MCIP

Associate Professor - Local-scale Climate Change Adaptation/ Resilience

Director, Climate Adaptation and Resilience Lab

Associate Director, School of Urban and Regional Planning

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University of Alberta
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Google Scholar; LinkedIn

Lead, Thematic Network on Local-scale Planning for Climate Resilience

University of the Arctic (UArctic)

Section Editor (Adaptation), Editorial Board, *PLOS Climate* (journal)
Editorial Advisory Board, *Regional Environmental Change* (journal)
Editorial Board, *Arctic Resilience* (Nord U., Harvard, U) (book)

EDUCATION

Degree	Department	University	Year
Ph.D.	College of Business and Economics (sustainability, public sector, climate change)	University of Canterbury, Christchurch, New Zealand	2013
M.E.S.	Environmental Studies (climate change policy)	York University, Toronto, Canada	2005
B.E.S.	Environmental Studies (environmental impacts, urban planning/ governance)	University of Northern British Columbia, Prince George, Canada	2003
B.A.	Geography (human)	McMaster University, Hamilton, Canada	2001

ACADEMIC AND PROFESSIONAL APPOINTMENTS

Rank/Position	Department/ Unit	Institution	Year
Associate Professor	Earth and Atmospheric Sciences	University of Alberta, Edmonton, Canada	2021-
Associate Director	School of Urban and Regional Planning	University of Alberta, Edmonton, Canada	2021-
Director	Climate Adaptation and Resilience Lab	University of Alberta, Edmonton, Canada	2015-
Assistant Professor	Earth and Atmospheric Sciences	University of Alberta, Edmonton, Canada	2015-2021
Lead Researcher	Network for Business Sustainability (Richard Ivey School of Business)	Western University, London, Canada	2014-2015
Researcher (p/t)	School of Environment Enterprise & Development	University of Waterloo, Waterloo, Canada	2013-2014
Marsden Research Scholar	College of Business and Economics	University of Canterbury, Christchurch, New Zealand	2009-2013
Faculty Lecturer (p/t)	Management	University of Canterbury, Christchurch, New Zealand	2009-2011
Instructor (p/t)	School of Urban and Regional Planning	Toronto Metropolitan University, Toronto, Canada	2008-2019
Manager	Climate Change (Community Transformation)	Toronto Region Conservation Authority, Toronto, Canada	2006-2009
Program Officer	Environmental Bill of Rights Office	Ontario Ministry of the Environment, Toronto, Canada	2005-2006
Tactics Officer	Prince George Fire Centre	British Columbia Ministry of Forests, Prince George, Canada	2002-2003

PUBLICATIONS

(**NOTE:** underline - graduate student under my supervision)

Life-time summary (count) according to the following categories:

	Published/ In Press	Revisions Requested	In Review	Total
• Peer-reviewed Papers in Journals	51	6	2	59
• Peer-reviewed Chapters/ Edited Works/ Science series	18	1		19
• Non-peer-reviewed Journals/ Reports/ Magazines	12			12
• Scientific Blogs/ Editorial, Opinion Pieces in Journals	5			5

Peer-reviewed Papers in Journals
Published/ In Press:

51 **Birchall, SJ.**, Goulet, R., Kehler, S., Weissenberger, S. (2026). Climate change adaptation and emergency management: The influence of uneven devolution on community resilience. *Cities*. DOI LINK.

50 Kehler, S., **Birchall, SJ.** (2026). Resilient by design? A systematic literature review on place, planning and perception in social-ecological systems. *Journal of Environmental Psychology*. DOI LINK.

49 Rose, D., **Birchall, SJ**. (2026). Exploring climate change and health in the rural context: Vulnerability, capacity and outlook. *PLOS-Climate.* DOI Link.

48 **Birchall, SJ,** Villeneuve, K., Rose, D., Baran, N., Adams, S. (2026). Exploring the modifying effects of adaptive capacity on resilience to climate change across 4 coastal cities in British Columbia, Canada. *Cities*. DOI Link.

47 Goulet, R., **Birchall, SJ**. (2026). Climate change-induced emergencies and inequity: The role of emergency management governance in Canada. *PLOS-Climate.* DOI LINK.

46 Gauthier, M., **Birchall, SJ**., Hirshberg, D., Bonnett, N., Rose, D., Russell-Loewen, D., Sinisalo, A., Speca, A., Topkok, SA. (2025). Transforming education in the Arctic: Co-creation, decolonization and participatory approaches. *Arctic*. DOI LINK.

45 Sandberg, L., Bonnett, N., **Birchall, SJ**. (2025). Adapting to environmental hazards in Norway: Confusion over legal responsibility results in stalled action and greater risk of disaster. *Intl. J. of Disaster Risk Reduction*. DOI Link.

44 Rose, D., **Birchall, SJ**. (2025). Investigating the extent and quality of health-focused climate adaptation planning: Insights from Western Canadian communities. *Environmental Science & Policy.* DOI Link.

43 Baran, N., **Birchall, SJ**. (2025). The influence of ecosystem service values on green infrastructure and urban development: Insights from 5 Canadian municipalities. *Journal of Environmental Policy and Planning*. DOI Link.

42 **Birchall, SJ**., Bonnett, N., Rose, D., Gilchrist, E. (2025). Factors contributing to climate adaptation lag in practice: Insights from local and territorial government interactions. *Environmental Science & Policy*. DOI Link.

41 Kehler, S., **Birchall, SJ.** (2025). Why history matters to planning: Climate change, colonialism & maladaptation. *Environmental Science & Policy*. DOI Link.

40 **Birchall, SJ.**, Kehler, S., Weissenberger, S. (2025). “Sometimes, I just want to scream”: Institutional barriers limiting adaptive capacity and resilience to extreme events. *Global Environmental Change.* DOI Link.

39 Bonnett, N., **Birchall, SJ.** (2025). Local planning for climate induced relocation: A systematic review. *Intl. J. of Disaster Risk Reduction*. DOI Link.

38 Filimonova, N., **Birchall, SJ**. (2024). Sustainable municipal solid waste management: A comparative analysis of enablers and barriers to advance governance in the Arctic. *J. of Environmental Management*. DOI Link.

37 Rose, D., **Birchall, SJ**. (2024). Bolstering community resilience through health-focused climate change adaptation: Moving from talk to action in Western Canadian communities. *Climate Policy*. DOI Link.

36 Weissenberger, S., **Birchall, SJ**. (2024). Regional climate change adaptation planning in Canada: Actors and their articulation. *Canadian Geographies*. DOI Link.

35 **Birchall, SJ.**, MacDonald, S., Bonnett, N. (2024). Climate change adaptation planning: Breaking down barriers through comprehensive educational frameworks. *J. of Planning Education and Research*. DOI Link.

34 Zazula, N., **Birchall, SJ.** (2024). Urban resilience through ecosystem services in Edmonton, Canada: An assessment of gaps and recommendations. *Urban Ecosystems*. DOI Link.

33 Muffly, J., **Birchall, SJ**. (2023). Key Elements of defensible space land use bylaw provisions in wildland-urban interface municipalities of Alberta, Canada. *Intl. J. of Disaster Risk Reduction.* DOI Link.

32 Rose, D., **Birchall, SJ**. (2023). Strengthening health-focused climate adaptation in Canada: Barriers and interventions. *Canadian Geographies*. DOI Link.

31 **Birchall, SJ**, Kehler, S. (2023). Denial and discretion as a governance process: How actor perceptions of risk and responsibility hinder adaptation to climate change. *Environmental Science & Policy.* DOI Link.

30 Kehler, S. & **Birchall, SJ.** (2023). Climate change adaptation: How short-term political priorities trample public well-being. *Environmental Science & Policy*. DOI Link.

29 **Birchall, SJ.**, Bonnett, N., Kehler, S. (2023). The influence of governance structure on local resilience: Enabling and constraining factors for climate change adaptation in practice. *Urban Climate*. DOI Link.

28 Slater, T., **Birchall, SJ.** (2022). Growing resilient: The potential of urban agriculture for increasing food security and improving earthquake recovery. *Cities*. DOI Link.

27 **Birchall, SJ.**, Kehler, S, Bonnett, N. (2022). Fostering resilience and adapting to climate change in the Canadian North: Implications for infrastructure in the proposed Canadian Northern Corridor. *School of Public Policy Publications, Canadian Northern Corridor Special Series*, University of Calgary. DOI Link.

26 Van Asshe, K., **Birchall, SJ.**, Gruezmacher, M. (2022). Arctic and northern community governance: The need for local planning and design as resilience strategy. *Land Use Policy.* DOI Link.

25 Bonnett, N., **Birchall, SJ.** (2022). The influence of regional strategic policy on municipal climate adaptation planning. *Regional Studies.* DOI Link.

24 **Birchall, SJ.**, MacDonald, S., Baran, N. (2022). An assessment of systems, agents, and institutions in building community resilience to climate change: A case study of Charlottetown, Canada. *Urban Climate.* DOI Link.

23 Kehler, S. **Birchall, SJ.** (2021). Social vulnerability and climate change adaptation: The critical importance of moving beyond technocratic policy approaches. *Environmental Science & Policy*. DOI Link.

22 Fitton, J., Addo, K.A, Jayson-Quashigah, P-N., …, **Birchall, SJ**., Stempel, P. (2021). Challenges to climate change adaptation in coastal small towns: Examples from Ghana, Uruguay, Finland, Denmark, and Alaska. *Ocean and Coastal Management, Coastal Small Towns Special Issue.* DOI Link.

21 **Birchall, SJ**., MacDonald, S., Slater, T. (2021). Anticipatory Planning: Finding balance in climate change adaptation governance. *Urban Climate*. DOI Link.

20 Halabut, R., **Birchall, SJ.** (2021). Wildfire risk and response in Jasper National Park, Alberta: Application of an adaptation readiness framework. *Canadian Geographer*. DOI Link.

19 McDonald-Yale, E., **Birchall, SJ**. (2021). The built environment in a winter climate: Improving university campus design for student wellbeing. *Landscape Research.* DOI Link.

18 **Birchall, SJ**., Bonnett, N. (2021). Climate change adaptation policy and planning: The role of agents, institutions and systems. *Cities.* DOI Link.

17 Bonnett, N., **Birchall, SJ.** (2020). Coastal communities in the Circumpolar North and the need for sustainable climate adaptation approaches. *Marine Policy*. DOI Link.

16 van Asshe, K., Duineveld, M., **Birchall, SJ**., Deacon, L., Beunen, R., Gruezmacher, M., Boezeman, D. (2020). Resilience, reinvention and transition during and after quarantine. *Space and Culture.* DOI Link.

15 **Birchall, SJ**. (2020). Coastal climate adaptation planning and evolutionary governance: Insights from Homer, Alaska. *Marine Policy, Land and Sea Interaction Special Issue*. DOI Link.

14 **Birchall, SJ**., Bonnett, N. (2020). Thinning sea ice and thawing permafrost: Climate change adaptation planning in Nome, Alaska. *Environmental Hazards.* DOI Link.

13 MacDonald, S., **Birchall, SJ.** (2019). Climate change resilience in the Canadian Arctic: The need for collaboration in the face of a changing landscape. *Canadian Geographer.* DOI Link.

12 **Birchall, SJ,** Bonnett, N. (2019). Local-scale climate change stressors and policy response: The case of Homer, Alaska. *Journal of Environmental Planning and Management*. DOI Link.

11 French, EL, **Birchall, SJ**, Landman, K, Brown, R. (2019). Designing open space for seismic resilience. *Intl. J. of Disaster Risk Reduction*. DOI Link.

10 **Birchall, SJ,** Murphy, M, Milne, M. (2017). An Investigation into the early stages of New Zealand's Voluntary Carbon Market. *Carbon Management*. DOI Link.

9 **Birchall, SJ**. (2017). Structural challenges that contributed to the decline of the Communities for Climate Protection program. *Local Environment*. DOI Link.

8 **Birchall, SJ**, Murphy, M, Milne, M. (2016). Mixed methods research: A comprehensive approach for study into the New Zealand voluntary carbon market. *Qualitative Report*. DOI Link.

7 **Birchall, SJ**, Murphy, M, Milne, M. (2015). Evolution of the New Zealand voluntary carbon market: An analysis of CarboNZero client disclosures. *Social and Environmental Accountability*. DOI Link.

6 **Birchall, SJ**. (2014). Qualitative inquiry as a method to extract personal experiences: Approach to research into organizational climate change mitigation. *Qualitative Report*. DOI Link.

5 **Birchall, SJ**. (2014). New Zealand's abandonment of the Carbon Neutral Public Service program. *Climate Policy*. DOI Link.

4 **Birchall, SJ**. (2014). Termination theory and national climate change mitigation programs. *Review of Policy Research*. DOI Link.

3 **Birchall, SJ**. (2014). Carbon management in New Zealand local government: Co-benefits of action and organizational resolve in the absence of government support. *Australasian J. of Environmental Management*. DOI Link.

2 **Birchall, SJ**, Ball, A, Mason, I, Milne, M. (2013). Managing carbon in times of political change: The rise and fall of the New Zealand Carbon Neutral Public Service program*. Australasian J. of Environmental Management*. DOI Link.

1 **Birchall, SJ**. (2006). Canadian sovereignty: Climate change and politics in the Arctic. *Arctic*. DOI Link.

Revisions Requested:

6 Bonnett, N., **Birchall, SJ**. Relocation as climate adaptation in Canada: Planning and policy integration across five local governments. *Land Use Policy.*

5 Seilabi, AE., **Birchall, SJ**. Community-Based Adaptation Under Constraint: A Systematic Review of Governance, Participation and Climate Action in Iran. *Journal of Environmental Management*.

4 Kehler, S., **Birchall, SJ**. Dualism and the limits of climate adaptation planning: Identity, place, and transformation in resilient social-ecological systems. *PLOS-Climate***.**

3 Filimonova, N., **Birchall, SJ.** Conceptualizing the interplay between remoteness and modes of governing solid waste in Arctic small and medium-sized cities. *Cities*.

2 Theriault, K., **Birchall, SJ.,** Rombach, S. The 100 Resilient Cities initiative, globalization, and indicators of urban capacity: Comparing 80 urban resilience strategies. *Sustainable Cities and Society*.

1 Wagenaar, J., **Birchall, SJ**. Problematizing human-wildlife-conflict: The importance of education in creating wildlife friendly cities. *Urban Ecosystems*.

In Review:

2 Jassar, R., **Birchall, SJ**. Greenspace and Connectivity Across Canadian Provincial Capital Cities: Comparison of Policy Integration and Coherence. *Urban Forestry and Urban Greening.*

1 Mickelson, K., **Birchall, SJ**. The prioritization of aesthetics and comfort in neighbourhood-level planning and crime prevention design: The case of Edmonton, Alberta. *Canadian Geographer*.

Peer-reviewed Chapters/ Edited Works/ Science series

Published:

18 **Birchall, SJ.**, Koleyak, D. (2023). Climate change adaptation planning and resilience. In K. Van Assche, R. Beunen and M. Duineveld (Eds.), *Elgar Encyclopedia in Urban and Regional Planning and Design.* Edward Elgar. 63-66. DOI Link.

17 Kehler, S., **Birchall, SJ**. (2023). Adaptation planning: An interdisciplinary approach to climate change risk reduction. Canadian Meteorological and Oceanographic Society.

16 **Birchall, SJ**., Antonakis, V. (2021). Conducting effective and respectful in-depth, semi-structured interviews. C*ONVERGE Extreme Events Research Check Sheets Series*. Natural Hazards Center, University of Colorado Boulder. Boulder. DOI Link.

15 **Birchall, SJ.**, Antonakis, V. (2021). In-depth, semi-structured interviews: A typology of interview questions. C*ONVERGE Extreme Events Research Check Sheets Series.* Natural Hazards Center, University of Colorado - Boulder. Boulder. DOI Link.

14 Bonnett, N., **Birchall, SJ.** (2021). Safely conducting quick response research: Tips for graduate students and supervisors. C*ONVERGE Extreme Events Research Check Sheets Series*. Natural Hazards Center, University of Colorado - Boulder. Boulder. DOI Link.

13 **Birchall, SJ.,** MacDonald, S. (2019). Climate change impacts and resilience: An Arctic case study. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

12 Macdonald, D, **Birchall, SJ.** (2019). Immediate climate vulnerabilities: Climate change and planning policy in northern communities. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

11 Singh, A, **Birchall, SJ.** (2019). Financial market services: Climate finance and climate change adaptation. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

10 Antonakis, V, **Birchall, SJ.** (2019). Community planning challenges: Climate change impacts on cultural heritage. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

9 Heang, C, **Birchall, SJ.** (2019). Community planning opportunities: Building resilience to climate variability using coastal naturalisation. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

8 Bonnett, N, **Birchall, SJ.** (2019). Vulnerable communities: The need for local-scale climate change adaptation planning. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

7 Down, C, **Birchall, SJ.** (2019). Climate change planning: Understanding policy frameworks and financial mechanisms for disaster relief. In WL. Filho, PG. Özuyar, PJ. Pace, U. Azeiteiro and L. Brandli (Eds.), *Climate Action, Encyclopedia of the UN Sustainable Development Goals*. London: Springer. DOI Link.

6 **Birchall, SJ.** (2016). *Bending, not breaking, with climate change*. Network for Business Sustainability, Western University.

5 **Birchall, SJ**. (2016). *Developing a data driven climate strategy – A case study*. Network for Business Sustainability, Western University.

4 **Birchall, SJ**., Williams, E. (2015). *Putting climate change on the books*. Network for Business Sustainability, Western University.

3 Ball, A, Grubnic, S, **Birchall, SJ**. (2014). Sustainability accounting and accountability in the public sector. In J. Unerman, J. Bebbington and B. O'Dwyer (Eds.), *Sustainability Accounting and Accountability.* London: Routledge.

2 Ball, A, Mason, I, Grubnic, S, Hughes, P, **Birchall, SJ**. (2011). The Carbon Neutral Public Sector: Governmental Accounting and Action on Climate Change. In: Ball, A. and S. Osborn (Eds.), *Social Accounting and Accountability*. London: Routledge.

1 Ball, A, Mason, I, Grubnic, S, Hughes, P, **Birchall, SJ**. (2010). Carbon Neutral Public Sector. In: Ball, A., S. Osborn (Eds.), *Social Accounting and Public Management: Accounting for the Public Good*. London: Taylor & Francis.

Revisions Requested:

1 Bonnett, N., **Birchall, SJ.** Resilience through transformative adaptation: Planned relocation in Tuktoyaktuk, Northwest Territories, Canada. In A. Mineev, J. F. Mellemvik, Spence, J. Barns (Eds.), *What it means to be Resilient: Lessons from the Arctic*. London: Routledge.

Non-peer-reviewed Journals/ Reports/ Magazines

Published:

12 **Birchall, SJ**. (2025). Supporting local resilience through education, collaboration and research dissemination. Thematic Networks Success Stories.

11 Gauthier, M., **Birchall, SJ**. (2025). Environmental Change and Resilience: Collaborative Approaches to Circumpolar Education. UArctic Shared Voices.

10 **Birchall, SJ,** Kehler, S, Weissenberger, S. (in press). Local-scale climate change resilience: Exploring the role of adaptation planning for flood preparedness in British Columbia's Fraser Valley. *Institute of Catastrophic Loss Reduction*.

9 Boezeman, D., Donkers, H., **Birchall, SJ.** (2019). Coastal managed retreat: New branch on the climate adaptation tree. Geografie.

8 **Birchall, SJ.** (2019). Climate Change Risk and Planning Response in Dawson City, Yukon – A Look into How Wildfire Features in Local Decision-Making. Institute of Catastrophic Loss Reduction.

7 **Birchall, SJ.** (2019). Local Government Climate Change Resilience: Exploring the Role of Adaptation Planning for Flood Preparedness in Fredericton, New Brunswick. Institute of Catastrophic Loss Reduction.

6 **Birchall, SJ**. (2015). *Adaptation Case Study #5: Horizon Utilities Corporation.* Chartered Professional Accountants of Canada.

5 **Birchall, SJ**. (2015). *Adaptation Case Study #3: MEC.* Chartered Professional Accountants of Canada.

4 **Birchall, SJ**. (2015). *Adaptation Case Study #2: TransLink.* Chartered Professional Accountants of Canada.

3 **Birchall, SJ**. (2013). *Organizational involvement in carbon mitigation: The New Zealand Public Sector.* University of Canterbury.

2 **Birchall, SJ**. (2008). *Meeting the Challenge of Climate Change: TRCA Action Plan for the Living City.* Toronto Region Conservation Authority.

1 **Birchall, SJ**. (2007). A commentary on Canadian Arctic climate change. *Arctic Future*. International Institute for Sustainable Development (IISD). March, p.8.

Scientific Blogs/ Editorial, Opinion Pieces in Journals

Published:

5 Rose, D., **Birchall, SJ.,** Rogers, N., Bonnett, N., Seilabi, AE. (2026). Overcoming local-scale climate change adaptation implementation lag. *PLOS Climate*. DOI Link.

4 Rose, D., **Birchall, SJ.** (2025). Exploring key priorities for climate change adaptation research. *PLOS Climate.* DOI Link.

3 Rose, D., **Birchall, SJ.**, Filimonova, N., Jacobsen, RB., Duffy, J. (2025). Climate adaptation in northern communities: The value of framing, flexibility, and knowledge. *PLOS Climate 4(11): e0000759.* DOI Link.

2 Bonnett, N., **Birchall, SJ**. (2022). Blog: Are we in a new era of climate adaptation implementation? The role of regional governments in facilitating local action. International Science Council.

1 Bonnett, N., **Birchall, SJ**. (2021). Blog: Coastal communities in the Arctic rely on structural measures to adapt to climate change, but should they? International Science Council.

RESEARCH GRANTS/ SUPPORT (awarded/ in review)

(**TYPE:** G: Government; F: Foundation; U: University. **ROLE:** PI: Principal Investigator; PA: Principal Applicant; CA: Co-Applicant; CPI: Co-Principal Investigator; CI: Co-Investigator; C: Collaborator; P: Partner; LR: Lead Researcher; S: Supervisor).

Grantor	Purpose	Role	Type	Amount (CAD)	Year
Australian Research Council Discovery (Mutual aid, climate change adaptation)	Research	CPI	G	1500000	in review
Trans-Atlantic Platform (T-AP) Preparing for Tomorrow (Community Mobility Decision Making Under Climate Overshoot)	Research	CPI	G	200000	in review

SSHRC Partnership (Advancing transdisciplinary experiential learning for climate change adaptation) - STAGE 1	Research	CI	G	20000	2025-2026
SSHRC Insight Development (Indigenous Community Responses to Wildfire and Climate Change)	Research	CA	G	75000	2025-2027
SSHRC Insight (Quebec/ New Brunswick, climate adaptation)	Research	CA	G	350000	2025-2029
SSHRC Knowledge Synthesis (Governance of climate change adaptation in Canada - a multifaceted problem)	Research	CA	G	30000	2025-2026
Strategic Research Initiative Fund (Wildfire, mental health), University of Alberta	Research	P/C	U	80000	2025-2027
NSSRC Alliance (Anthropogenic GHG research)	Research	CPI	G	700000	2024-2028
Sustainability Council - Sustainability Across the Curriculum Course Development Grant	Education	PI	U	5000	2024
Global Arctic Leadership Initiative Fund - Indigenous and Northern Collaborative Research and Education Engagement	Education/ Collaboration	PI	F	27000	2023-2025
Mitacs Globalink (funding for undergraduate intern); National University of Kyiv, Ukraine	Research	PI/S	F	N/A	2023
UAlberta North - UArctic Thematic Network	Collaboration	LR	U	25000	2022-2024
Global Affairs Canada + UArctic (Climate risk, adaptation)	Education	PI	G	149000	2022
Mitacs Globalink (funding for undergraduate intern); University of Aberdeen, UK	Research	PI/S	F	N/A	2022
Climate Change Adaptation Strategies for Existing and Planned Infrastructure in the Canadian North, University of Calgary	Research	PI	U	15000	2021-2022
Institute of Catastrophic Loss Reduction - Quick Response Program	Research	PI	F	4910	2021-2022
Mitacs Globalink (funding for undergraduate intern); Bonn University, Germany	Research	PI/S	F	N/A	2021
Fulbright-Mitacs (funding for undergraduate intern); University of South Carolina, USA	Research	PI/S	F	N/A	2021
School of Urban and Regional Planning, University of Alberta	Research/ Collaboration	LR	U	5000	2019-2020
Dept. of Earth and Atmospheric Sciences, University of Alberta	Research/ Collaboration	LR	U	1000	2020
UAlberta North - UArctic Thematic Network	Research/ Collaboration	LR	U	15000	2019-2021
University of Alberta Undergraduate Research Initiative (funding for undergraduate intern)	Research	PI/S	U	N/A	2019
Dept. of Earth and Atmospheric Sciences, University of Alberta	Research/ Collaboration	LR	U	1000	2019
Institute of Catastrophic Loss Reduction - Quick Response Program	Research	PI	F	4905	2019
Mitacs Globalink (funding for undergraduate intern); Northern Forestry University, China	Research	PI/S	F	N/A	2019
Institute of Catastrophic Loss Reduction - Quick Response Program	Research	PI	F	5000	2018
Ashley and Janet Cameron Research and Education Seed Fund, UAlberta North	Research	PI	U	3000	2017-2018
Research Mobility Fund, Worldwide University Network	Research	PI	F/U	3000	2017-2018

Dept. of Earth and Atmospheric Sciences, University of Alberta	Research	PI	U	1000	2017-2018
Killam Research Fund - Cornerstone Grant	Research	PI	F/ U	43500	2016-2018
Dept. of Earth and Atmospheric Sciences, University of Alberta	Research	PI	U	2000	2016-2017
Ashley and Janet Cameron Research and Education Seed Fund, UAlberta North	Research	PI	U	3000	2016
Killam Research Fund - Travel	Conference	PI	F/U	3200	2016
Dept. of Earth and Atmospheric Sciences, University of Alberta	Research	PI	U	90000	2015-2020
Chartered Professional Accountants/ Natural Resources Canada	Research	PI	F/G	15000	2014-2015
New Zealand Royal Society	Research	CI	F/U	781000	2009-2012
Green Municipal Fund/ Province of Ontario/ Region of Peel	Research/ Development	PA	F/G	110000	2008-2009
TRCA/ Conservation Ontario	Research/ Development	PA	F/G	70000	2007-2009

SERVICE - SCIENTIFIC COMMUNITY

Research Lab/Network

2018- Lead, Thematic Network: Local-Scale Planning for Climate Resilience, University of the Arctic.
- Manage/ lead development and on-going activities (eg. facilitate research collaborations/ knowledge dissemination; create/ convene panels/seminars/ workshops; organize/ support grant applications etc.);
- Includes 57 circumpolar collaborators, from across 35 institutions (academic and municipal).

2015- Director, Climate Adaptation and Resilience Lab, Dept. of Earth and Atmospheric Sciences, University of Alberta.
- Manage/ lead interdisciplinary group, supervise/mentor researchers/ students/ visiting scholars
- Research focus: coastal and big river community climate resilience. Explore climate impacts and decision dynamics for adaptation planning/ policy; shed light on role planners play and skills/ expertise they harness to support community resilience; emphasis on infrastructure and built form/ spatial planning, ecosystem services, social vulnerability and equity, disaster risk reduction, health/ wellbeing.
- Manage research budgets, timelines, and strategic direction of the Lab.

Peer Review

Manuscript:

2026- *J. of Rural Studies (2), Global Enviro. Change (3), WIRES-Clim. (1), Landscape and Urban Plan. (1), Land Use Policy (1), Climate and Development (1), Enviro. Sci. and Policy (1), Clim. Policy (1), Cities (1).*

2015-2025 *Nature Clim. Change (2), Global Enviro. Change (3), J.of Cleaner Production (4), Polar Record (2), Land Use Policy (3), Climatic Change (1), Canadian J. of Urban Res. (1), Reg. Enviro. Change (9), Enviro. Planning and Mgmt. (1), J. of Enviro. Policy and Plan. (4), Intl. J. of Disaster Risk Reduction (2), J.of Mixed Methods Res. (1), Mit. and Adapt. Strat. for Global Change (2), Energy Econ. (2), Rev. of Policy Res. (1), Clim. Policy (10), Cities (6), Current Op in Enviro. Sus. (2), PLOS-Clim. (2), Enviro. Sci. and Policy (3), J. of Planning Edu. and Res. (5), Nat. Hazards (1), Lancet Reg. Health (3), Urban Clim. (3), Sus. Cities and Society (3), Sustain. Develop. (1), Enviro. Sociology (1), J. of Rural Studies (1), WIRES-Clim. Change (2).*

Reports:

2026 UNEP Adaptation Gap Report (Adaptation Action chapter).

Grants:

2021- New Frontiers in Research Fund - Exploration (1); EcoCity Edmonton (Infrastructure Acceleration/ Community Action) (25); Mitacs - Accelerate Program (3); Carthy Foundation (1).

2012-2020 Asia-Pacific Network for Global Change Research: Scientific Capacity Building/ Enhancement for Sustainable Development in Developing Countries (12); Climate Adaptation Framework (3); Collaboration Regional Research Program (2); Social Science and Humanity Research Council - Insight (2).

Conference Papers/ Sessions:

2021-2024 Session Review: *Arctic Congress:* 2022 Moscow, Russia (78); 2024 Bodo, Norway (215).

2010-2014 Paper Review: *Australasian Conference on Social and Environmental Accounting Research:* 2010 Albury, Australia (3); 2012 Wollongong, Australia (6); 2014 Melbourne, Australia (3); *Asia Pacific Interdisciplinary Research in Accounting Conference:* 2010 Sydney, Australia (2)

Other:

2025 External Program Reviewer, Major in Climate Change Studies, University of Toronto Scarborough.

2024- Editorial Board, Arctic Resilience Project, Arctic Initiative, Harvard University, USA and High North Centre, Nord University, Norway (book development, co-editor).

2024- Editorial Advisory Board, *Regional Environmental Change* (journal).

2024 Technical Reviewer, *Canadian Index of Social Vulnerability and Index of Resilience* project, Public Safety Canada and Statistics Canada.

2023- Editorial Board, Section Editor (Adaptation), *PLOS Climate* (journal).

2022 External Tenure Reviewer, Sustainability Studies Division, School of Marine and Atmospheric Sciences, Stony Brook University, New York, USA.

2020 Technical Reviewer, *Climate Science 2050: Advancing Science and Knowledge on Climate Change*, Environment and Climate Change Canada.

2017-2022 Editorial Board, Associate Editor, *Encyclopedia of Sustainable Development Goals - Climate Action*. (encyclopedia).

2015-2019 Editorial Board, *Science Bulletin*, Asia-Pacific Network for Global Change Research (journal).

Seminar/Session/Conference Development

2026 Organizer + Moderator, Speaker Series, UArctic Thematic Network on Local-scale Planning for Climate Resilience, University of Alberta (delivered online).
- Place relationships and climate change resilience (University of Alberta, Canada) (2026, May).
- Planning the great acceleration (University of Northern British Columbia, Canada) (2026, February).

2025 Chair + Organizer, Panel: Climate adaptation through urban planning: Enabling and constraining factors. Adaptation Futures Conference (2025, October), Christchurch, New Zealand.

2025- Co-chair + Co-Organizer (w PLOS-Climate), Seminar/ Panel, UArctic Thematic Network on Local-scale Planning for Climate Resilience, University of Alberta (delivered online).
- Climate adaptation governance in Canada, Iran and Australia (University of Alberta, Canada, University of Tasmania, Australia) (2026, April).
- Exploring climate adaptation in northern communities (Aalborg University, Denmark; University of Alaska Anchorage, USA; University of Lapland, Finland) (2025, April).

2024-2025 Co-Organizer (w Northern Students' Association, Northern Spotlights) + Moderator, Speaker Series, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, University of Alberta (delivered online).
- Visualizing the Landscape of Tribal Communities: A context for working in rural Alaska (University of Alaska Fairbanks, USA) (2025, March).
- Global Challenges, Local Struggles: Dissecting Arctic climate change and Indigenous Peoples adaptation in Nunatsiavut (University of Leeds, UK) (2025, February).
- Planning for change: Exploring resilience in the Yukon through local and regional approaches to climate change adaptation (Yukon University, Canada) (2025, January).
- A Look at the Waste Management-Climate Change Nexus in Indigenous and Northern Communities (University College of the North, Canada) (2024, November).

2023-2024 Co-Organizer (w University of Victoria, Canada; GRID-Arendal, Norway; Læra Institute for Circumpolar Education, Canada; University of Alaska Anchorage, USA), Workshop +Panel: Circumpolar education program on environmental change and resilience, Arctic Congress (2024, May), Bodo, Norway.

2023-2024 Program Committee, Arctic Congress 2024, Nord University, Bodo, Norway.

2022-2024 Organizer + Moderator, Speaker Series, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, University of Alberta (delivered online).
- Captive in a prone area? Landowner responsibility for preventing disaster risk in built environment in Norway (Arctic University of Norway Tromsø, Norway) (2024, February).
- Arctic community-driven education program: From research to Impact (University of Victoria, Canada) (2023, November).
- Waste management practices in Arctic communities (Harvard University, Arctic Initiative, USA) (2023, October).
- Implementing sustainability at the local level in Alaska (University of Alaska Anchorage) (2022, September).
- Arctic and northern community governance: The need for local planning and design as resilience strategy (University of Alberta + Bonn University, Germany) (2022, May).
- Engaging northern communities using arts-based methods: Talk + film screening (University of Victoria) (2022, March).

2021-2023 Co-Chair + Organizer, Graduate Seminar Series, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, University of Alberta (delivered online).
- Climate change & resilience in the North (Iceland + Canada) (w Aalborg University, Denmark; 2023, April).
- Climate change & resilience in the North (Canada + Mongolia) (w University of Alaska Anchorage, USA; 2022, November).
- Climate change & resilience in the North (Canada) (w University of Northern British Columbia, Canada; 2022, February).
- Climate impacts & responses in the Arctic (Canada) (w Yukon University, Canada; 2021, June).
- Climate impacts and responses in the Arctic (Canada and Iceland) (w Agricultural University of Iceland, Iceland; 2021, April).
- Climate impacts and responses in the Arctic (Canada and Russia) (w University of Northern British Columbia, Canada; 2021, March).
- Climate impacts and responses in the Arctic (Canada, Greenland and Iceland) (w Aalborg University, Denmark; 2021, January).

2021-2022 Program Committee, Arctic Congress 2022, Lomonosov Moscow State University, Moscow, Russia.

2020-2021 Convenor + Co-Chair (w Agricultural University of Iceland, Iceland), Special Session: Local environmental change and planning for resilience across the Arctic, Arctic Congress (2021, May), Reykjavík, Iceland (delivered online).

2020 Chair + Co-Organizer (w GAPSS), Seminar/ Panel: Local-scale Climate Resilience, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience (2020, March), University of Alberta (inc. significant virtual component).

2018-2019 Convenor, Special Session: Climate change impacts and resilience planning, Canadian Association of Geographers (Western Division) Conference (2019, March), Victoria, Canada.

2018 Convenor, Panel: Climate Change Resiliency, PLACE 18 National Planning Students Conference (2018, October), Edmonton, Canada.

2018 Convenor, Special Session: Climate risks and resilience planning in Canadian coastal communities, Canadian Association of Geographers (Western Division) Conference (2018, March), Edmonton, Canada.

2018 Convenor, Special Session: Environmental and community challenges in rapidly changing polar coastal zones, POLAR 2018 Conference (2018, June), Davos, Switzerland.

SERVICE - COMMUNITY OUTREACH

Expert Advising

2026-2027 Sponsor, Candidate Membership, Professional Standards Board for the Planning Profession in Canada (to become a Registered Professional Planner - RPP/ MCIP; K. Shaw).

2026-2027 Sponsor, Candidate Membership, Professional Standards Board for the Planning Profession in Canada (to become a Registered Professional Planner - RPP/ MCIP; J. Abele).

2026-2027 Mentor, Candidate Membership, Professional Standards Board for the Planning Profession in Canada (to become a Registered Professional Planner - RPP/ MCIP; B. Baverstock).

2024-2026 Sponsor, Candidate Membership, Professional Standards Board for the Planning Profession in Canada (to become a Registered Professional Planner - RPP/ MCIP; Y. Parmar).

2024 Invited Expert, Roundtable: Resilience in the North: Measuring progress and mapping a path, Harvard University, Arctic Initiative (w Association of World Reindeer Herders, Nord University Business School), Arctic Congress (2024, June), Bodo, Norway.

2023-2025 Member, Energy Transition Climate Resilience Committee (ETCRC), City of Edmonton, Canada.
- Share with, and receive from City Manager, information regarding implementation of the Climate Resilient Edmonton and the Energy Transition Strategies;
- Provide broad independent advice and support to City Council on implementation of the Climate Resilient Edmonton and Energy Transition Strategies, as well as other city plans related to climate and energy transition (ie. Zoning Bylaw renewal, district planning and growth management);
- Assist City Council in developing performance measures for the Climate Resilient Edmonton and the Energy Transition Strategies;
- Participate on the Climate Emergency and Culture Change Subcommittee.

2023-2026 Sponsor, Candidate Membership, Professional Standards Board for the Planning Profession in Canada (to become a Registered Professional Planner - RPP/ MCIP; R. Karimi-Boushehri).

2021-2025 External Advisory Group for Climate Action, Agricultural University of Iceland, Hvanneyri, Iceland.

2021-2022 Content Expert and Principal Investigator, Climate adaptations in the Canadian Arctic: A community-driven education program (w UArctic and Live It Earth): *Arctic Communities*; https://app.liveit.earth/programs/oceans-world-oceans-day. (developed programming for K-12 across Canada).

2021-2024 Advisory Group, National Risk Profile (Scoping and Assessment Capabilities), Public Safety Canada, Government of Canada.

2021-2022 Invited Expert, Strategic Priority Setting, National Climate Change Plan (Climate Science 2050). Government of Canada.

2021-2023 Advisory Committee, Adaptation Training for Prairies-Region Planners, Climate Change and Resilience, Climate Risk Institute & Canadian Institute of Planners (NRCan - Building Regional Adaptation Capacity and Expertise (BRACE) Program.

2020 Invited Expert, Quick Response Research Workshop (PII: During the research), Institute for Catastrophic Loss Reduction and the Natural Hazards Center (2020, July) (virtual workshop).

2020 Invited Expert, Quick Response Research Workshop (PI: Before the research), Institute for Catastrophic Loss Reduction and the Natural Hazards Center (2020, June) (virtual workshop).

2020 Invited Expert, Roundtable Discussion on National Climate Change Science and Knowledge Plan, Environment and Climate Change Canada (2020, February) (virtual seminar).

2020- Internal Evaluation Committee, Thematic Network Leadership Team, Arctic Assembly/ UArctic.

2007-2019 Adviser, Stakeholder Group, Alberta Centre for Sustainable Rural Communities, Canada; Advisor, Working Group on the Sustainable Development Goals, Inter-University Sustainable Development Research Program; Adviser, Working Group on Climate Adaptation, Climate Adaptation Strategy, City of Edmonton, Canada; Stakeholder Group, Partners for Action, University of Waterloo, Waterloo, Canada; Associate, Sustainability Solutions Group, Victoria, Canada; Chair, Strategic Resources Committee, Board of Directors, Environmental Education Ontario, Toronto, Canada; Working Group 4, Greenhouse Gas Management Institute; Mentor, PhD Student Support Services, University of Canterbury, Christchurch, New Zealand; Adviser, Local Government, New Zealand Office of the Auditor-General, Wellington, New Zealand; Adviser, Carbon Solutions Centre, University of Canterbury, Christchurch, New Zealand; Adviser, Greenest City - Clean Air Partnership, Toronto, Canada; Adviser, Groundwater and Surface Water Monitoring Network Review, Conservation Ontario, Canada; Advisor, Climate Change Position Paper Task Force, World Green Building Council Secretariat, Canada.

SERVICE - INSTITUTIONAL (University of Alberta)

General

2026 Selection Committee, CBRCanada Excellence Awards Committee (College of Natural and Applied Sciences representative), University of Alberta.

2026-2027 Mentor, Grace Anne Stewart Mentorship Initiative, University of Alberta, Edmonton, Canada.

2021- Associate Director, School of Urban and Regional Planning, Dept. of Earth and Atmospheric Sciences.
- Participate in strategic planning with School Director, assist with implementation of ad hoc plans;
- Lead/ assist with accreditation (re-) evaluation (undergraduate program in 2021);
- Coordinate undergraduate recruitment and admissions; Coordinate annual Open House;
- Manage undergraduate (planning) listserv, moderate/ approve content and posts;
- Oversee/ supervise Faculty Advisor, Undergraduate Specialization & Honours (Planning);
- Manage program calendar changes, draft class schedule, teaching schedule, and TA assignments;
- Develop/ oversee graduate Boot Camp (6 sessions);
- Develop/ manage the School newsletter;
- Develop/ manage the School's internship program;
- Liaise with Alberta Professional Planners Institute, Canadian Institute of Planners, Community Planning Association of Alberta; coordinate meet and greets, represent SURP at events.

2025- Faculty Adviser, MSc in Urban and Regional Planning, Dept. of Earth and Atmospheric Sciences.
- Advise graduates (MSc) on program planning, co-op/ work experience, career paths;
- Liaise with Faculty of Science on matters related to graduate programming;
- Make recommendations on program exceptions to Faculty of Science
- Rectify outstanding grades in PLAN courses;
- Evaluate program transfers and course equivalencies for PLAN courses (internal and external to University of Alberta)

2023- Working Group, Climate Change and Health Hub, College of Health Sciences.

2021-2023 Chair, Web Publishing and Newsletter Committee (Planning), Dept. of Earth and Atmospheric Sciences.

2021-2022 Undergraduate Awards Evaluation Committee, Dept. of Earth and Atmospheric Sciences.

2021-2022 Environment, Health and Safety Committee, Dept. of Earth and Atmospheric Sciences.

2020-2023 Faculty Adviser, Undergraduate Specialization & Honours (Planning), Dept. of Earth and Atmospheric Sciences.
- Advise undergraduates (BA/ BSc) on program planning, co-op/ work experience, career paths;
- Liaise with Faculties of Arts/ Science on matters related to undergraduate programming;
- Make recommendations on program exceptions to Faculties of Arts/ Science
- Rectify outstanding grades in PLAN courses;
- Evaluate program transfers and course equivalencies for PLAN courses (internal and external to University of Alberta)

2020-2021 Adjudicator, Evaluation Committee, Undergraduate Research Initiative.

2019-2020 Faculty Search Committee (Faculty Lecturer), Dept. of Earth and Atmospheric Sciences.

2019-2020 Faculty Adviser, MSc in Urban and Regional Planning, Dept. of Earth and Atmospheric Sciences.

2019 Faculty Search Committee (Assistant Professor, tenure-track), Dept. of Earth and Atmospheric Sciences.

2018-2021 Faculty of Science Representative, Arts Faculty Council.

2017- MSc. Admissions Committee (Planning), Dept. of Earth and Atmospheric Sciences.

2017-2020 Faculty of Science Representative, General Faculties Council.

2017-2019 Faculty Adviser, MSc in Urban and Regional Planning, Dept. of Earth and Atmospheric Sciences.

2016-2017 Brookfield Residential Visiting Scholar Committee (Planning), Dept. of Earth and Atmospheric Sciences.

2016-2017 BSc Planning Admissions Committee (Planning), Dept. of Earth and Atmospheric Sciences.

Thesis Defence/ PhD Candidacy Exam

(As external committee member; plus for all those I supervise, noted under *Supervision* below. **ROLE**: EC: Exam Chair; EE: External Examiner; A-LE: Arms-length Examiner; SR: Second Reader)

Year	Student	Degree	Institution	Role
2026	A. Gunasekara	MA, Environmental Management	Royal Roads University	EE
2026	N. Mate	MSc, Planning	University of Alberta	SR

2026	C. Callihoo	PhD, Environment and Sustainability Studies	University of Northern British Columbia	EE
2025	V. Cedeno	PhD, Planning	University of Alberta	EC
2025	K. Koukouzikis	MA, Human Geo	University of Alberta	EC
2024	N. Rogers	PhD, Geo, Planning, & Spatial Science	University of Tasmania (AUS)	EE
2024	E. Elm	MSc, Planning	University of Alberta	SR
2023	J. Quirk	MA, Human Geo	University of Alberta	A-LE
2023	A. Bafgeesh	MA, Human Geo	University of Alberta	A-LE
2022	B. Kapatsila	PhD, Human Geo	University of Alberta	A-LE
2021	S. Patel	MSc, Resource Economics & Environ. Soc.	University of Alberta	A-LE
2021	M. Stout	MA, Human Geo	University of Alberta	A-LE
2020	E. Pollock	MSc, Planning	University of Alberta	SR
2019	Y. Yang	PhD, Civil & Environ. Engineering	University of Alberta	A-LE
2019	E. Moezzi	MSc, Planning	University of Alberta	SR
2019	N. Osorio	MSc, Planning	University of Alberta	SR
2019	C. Enkhbayar	MA, Human Geo	University of Alberta	A-LE
2019	S. Gul	PhD, Human Geo	University of Alberta	A-LE

SUPERVISION & MENTORSHIP

(**ROLE:** S: Supervisor; Co-S: Co-Supervisor; SC: Supervisory Committee. **OTHER:** DNF: did not finish)

NOTE: Scholarships/ recognitions: [1]Brookfield Residential/ SURP Scholarship; [2]SSHRC Canada Graduate Scholarship-MA; [3]Queen Elizabeth II Fellowship; [4]Walter H. Johns Graduate Fellowship; [5]Persons Case Scholarship; [6]Graduate Travel Award; [7]Alberta Graduate Excellence Scholarship (AGES)/ AGES Indigenous Scholarship; [8]Alberta Government Graduate Student Scholarship; [9]Sustainability Scholar; [10]Alberta Professional Planners Institute Scholarship; [11]SSHRC Doctoral Fellowship; [12]President's Doctoral Prize of Distinction (University of Alberta); [13]Alberta Professional Planners Institute Essay Contest; [14]Canadian Institute of Planners President's Award; [15]Howard and Caroline Malm Graduate Award in Climate Change; [16]SSHRC Talent Award (University of Alberta nominee); [17]SSHRC CGS - Doctoral; [18]Canadian Institute of Planners Outstanding Graduating Student Award (previously the President's Award); [19]APPI Conference Award; [20]Dept of Earth and Atmospheric Sciences Recruitment Scholarship (PhD); [21]NSERC Wildlife Strategic Network; [22]City of Edmonton Graduate Fellowship; [23]Friends of the Faculty of Graduate Studies and Research Scholarship; [24]UArctic Travel Grant; [25]GPS Graduate Elevation Award; [26]Lorna and Alan Stickel Graduate Scholarship; [27]Steve and Elaine Antoniuk Grad Scholarship in Arctic Research; [28]Grad Student Teaching Award; [29]Andrew Stewart Memorial Grad Prize; [30]GSA Academic Travel Grant; [31]Dr. Sproule Grad Scholarship; [32]Dr. Fuller Memorial Grad Scholarship; [33]Eugene Brody Graduate Scholarship; [34]Community Engagement Award; *Did Not Finish.

NOTE: Course-based MSc, Planning: This program includes a major research paper or applied project involving advanced research and analysis on a critical issue, case or site in contemporary urban planning, design and development. Major papers involve the identification of a research problem with appropriate primary and secondary research methods, data collection and analysis. Major projects involve the development of an original applied design solution for a particular site or case in contemporary urban planning and design. Graduate students often join a research lab during the first semester of their MSc. The supervisor serves as a mentor throughout the process (much like a thesis-based program).

Life-time summary (count) according to the following categories:

	In Progress	Completed	Total

Supervision (direct)

• PhD	3	1	4
• MSc/ MA	7	37	44
• Research Fellowships/ Assistants	5	9	14
Mentorship (direct)			
• Research Volunteers/ Visitors	0	13	13
• Research Internships (international)	1	7	8
• Directed Studies	0	17	17

Supervision - Graduate Students

Year	Student	Degree	Research Area	Role
2026-	A. Esmaeilzadeh Seilabi[20]	PhD, Planning	Regional governance, urban planning, climate change	S
2025-2027	T. Nguyen[1]	MSc, Planning	Groundwater management, climate change, BC	S
2025-2027	D. Farkas[1]	MSc, Planning	Disaster risk analysis, urban resilience	S
2025-2027	A. Mazer[1]	MSc, Planning	Ecosystem services, resilience	S
2025-2027	T. Yeun[1]	MSc, Planning	Resilience, climate change, housing	S
2025-2027	M. Suleman[1]	MSc, Planning	Climate adaptation, resilience, Pakistan	S
2025-2027	E. Mcdermott[1]	MSc, Planning	Resilience, sustainable forest management	S
2024-	D. Rose[6,12,17,20,24,28,30,7,15]	PhD, Planning	Rural health, social vulnerability, climate adaptation	S
2024-2026	R. Jassar[1]	MSc, Planning	Urban resilience, green space connectivity, Alberta	S
2024-2026	A. Esmaeilzadeh Seilabi[1,23,33,34]	MSc, Planning	Environmental hazards, governance, urban planning	S
2024-2026	J. Russell[1]	MSc, Planning	Wildfire preparedness, governance, planning, BC	S
2024-2026	K. Prud'homme[1]	MSc, Planning	Rural planning, road side rest stops, Alberta	S
2024-2027	F. Colla Warmling	MSc, Nat Res	Wildfire, post-fire recovery, nature-based tourism, Alberta	SC
2024-2026	K. Sarpong[1]	MSc, Planning	CREST, local perceptions of climate change, adaptation	S
2024-2025	B. Baverstock[1]	MSc, Planning	Transitional housing, harm reduction, urban resiliency	Co-S
2023-2025	K. Mickelson[1]	MSc, Planning	Urban crime, social vulnerability, perceptions, CPTED	S
2023-2025	E. Tugirimana[1]	MSc, Planning	Urban governance: People-centred v. public order	S
2023-2025	J. Wagenaar[1]	MSc, Planning	Human and wildlife conflict in developed areas	S
2023-2025	C. Kuiper[7,21]	MSc, Nat Res	Communications vulnerabilities associated with wildfire	SC
2022-2024	K. Li[1,10]	MSc, Planning	Resilience branding, efficacy and effectiveness, Olympics	S
2022-2024	T. De Souza Jensen[1]	MSc, Planning	Climate resilience, peri-urban regional food production	S
2021-2026	S. Kehler[12,17,22,25]	PhD, Planning	Climate change and planning for vulnerable communities	S
2020-2024	N. Polard-Yopek[9]	MA, Human Geo	First Nations wildfire evacuation partnership	SC
2021-	N. Bonnett[6,7,11,12,15,16,23,24,26,27,29,31,32,7]	PhD, Planning	Managed retreat/ relocation as strategic planning and response to climate change risk (across Canada)	S
2021-2023	D. Rose[1,18]	MSc, Planning	Climate change stressors, community health/ wellbeing	S
2021-2023	N. Zazula[1,10]	MSc, Planning	Urban resilience through ecosystem services in Alberta	S

2021-2023	R. Karimi-Boushehri[1,9]	MSc, Planning	Relationship between cultural ecosystem services and community resilience	S
2021-2022	A. Bafgeesh*	PhD, Planning	Effects of oil sands development, local strategy	SC
2020-2022	F. Fazeli*	PhD, Planning	River valley design and wellbeing	SC
2020-2022	K. Villeneuve[1,14]	MSc, Planning	Assessing climate risk in vulnerable populations (BC)	S
2020-2022	S. Adams	MSc, Planning	Heritage planning and climate change resilience (BC)	S
2020-2022	N. Baran[1,2,4,9,13]	MSc, Planning	Stormwater planning in the context of climate variability (BC, Alberta, Manitoba, New Brunswick)	S
2019-2021	T. Slater[1,14]	MSc, Planning	Planning for seismic resilience in Vancouver, BC	S
2019-2021	J. Muffly[1]	MSc, Planning	Wildfire and planning for resilience in Alberta	S
2019-2021	S. Kehler[1,9]	MSc, Planning	Exploration of social context of climate vulnerability	S
2019-2021	S. MacDonald[1,9,10]	MSc, Planning	Climate change and planning for resilience - Alberta	S
2019-2021	S. Aiken[1]	MSc, Planning	Planning for seismic resilience in Anchorage, Alaska	S
2018-2020	R. Adhikari[1]	MSc, Planning	Role of coastal parks in insulating communities from enviro extremes: Point Pleasant Park, Halifax, NS	S
2018-2020	E. Renchko[1]	MSc, Planning	Climate adaptation and resilience in Corner Brook, NL	Co-S
2018-2020	R. Halabut[1]	MSc, Planning	Rising temp. on forests and planning for their future	S
2018-2020	N. Zangi[1,10]	MSc, Planning	Effects of mining industry on the Athabasca River	S
2018-2019	L. Anderson[2,*]	MA, Human Geo	Transportation planning	S
2017-2019	N. Bonnett[2,3,4,5,6]	MA, Human Geo	Climate change adaptation, strategic planning in BC	S
2017-2019	M. Chan[1]	MSc, Planning	Public transportation, services for aging societies	S
2017-2019	E. McDonald-Yale[1]	MSc, Planning	Improving campus design for wellbeing, northern climates	S
2017-2019	D. Baikie[1]	MSc, Planning	Resource development, caribou conservation (Nunavut)	S
2017-2019	D. Macdonald[1,6,8,19]	MSc, Planning	Infrastructure adaptive readiness (Manitoba)	S
2017-2019	V. Antonakis[1,5,6,8,10]	MSc, Planning	Climate adaptations and built heritage (Prince Edward Is)	S
2017-2019	C. Heang[1,6,8,9]	MSc, Planning	Planning tools for coastal naturalization/ adaptation (BC)	S
2016-2018	D. Gillespie[9,*]	MA, Human Geo	Town planning and rising seas (Nova Scotia)	Co-S

Supervision - Research Fellowships

Year	Student	Activity/ Focus	Role
2026-	A. Esmaeilzadeh Seilabi	Senior Graduate Research Assistant, Planning (regional, climate resilience)	
2025-2026	T. Burton	UG Research Assistant (programming), School of Urban and Regional Planning	S
2024-	D. Rose	Senior Graduate Research Assistant, Planning (health, climate resilience)	S
2022-2023	D. Rose	Graduate Assistant (programming), School of Urban and Regional Planning	S
2021-2023	K. Villeneuve	Graduate Research Assistant, Planning (climate adaptation/ BC cities)	S
2021-2023	N. Baran	Graduate Research Assistant, Planning (ecosystem services)	S

2021-2022	R. Paonessa	Graduate Assistant (programming), School of Urban and Regional Planning	Co-S
2021-2026	S. Kehler	Senior Graduate Research Assistant, Planning (BC Fraser Valley flooding)	S
2020-2026	N. Bonnett	Senior Graduate Research Assistant, Planning (climate resilience, relocation)	S
2019-2021	S. MacDonald	Graduate Research Assistant, Planning (Climate adaptation/ Arctic)	S
2019	V. Antonakis	Graduate Assistant (development), MOOC: Arctic Development + Planning	S
2018-2019	N. Bonnett	Graduate Assistant (development), MOOC: Arctic Development + Planning	S
2017-2018	N. Bonnett	Graduate Research Assistant, Planning (Coastal climate resilience - BC, NS)	S
2017-2018	D. Baikie	Graduate Assistant (development), MOOC: Arctic Development + Planning	S

Mentorship - Research Volunteers/ Visitors

Year	Student	Activity/ Focus	Role
2025-2027	B. Podloski	Emergency Management (climate adaptation); NAIT	S
2024-2025	N. Darrah	Planning (climate adaptation/ southern BC)	S
2023-2026	R. Goulet	Emergency Management (climate adaptation); Indigenous Services Canada	S
2023	D. Rose	Planning (climate adaptation/ health, urban resilience)	S
2021-2022	S. Adams	Planning (urban climate adaptation/ BC)	S
2020-2021	T. Slater	Planning (climate adaptation/ big river)	S
2020-2021	M. Korczewski	Planning (climate adaptation/ Yukon); University of Victoria	S
2019-2020	Y. Du	GIS (climate resilience/ Arctic); Undergraduate student	S
2019	Y. Parmar	Planning (climate change readiness/ Yukon)	S
2018-2019	S. MacDonald	Planning (climate stressors/ Maritimes/ NWT)	S
2018-2019	D. Macdonald	Planning (coastal climate adaptation/ Maritimes)	S
2016-2017	C. Heang	Planning (coastal naturalization/ BC/ Alaska)	S
2016	N. Bonnett	Planning (coastal climate resilience/ Alaska)	S

Mentorship - Research Internships

Year	Student	Activity/ Focus	Role
2026	A. Miqdad	Mitacs Globalink Undergraduate Summer Intern (Habib University, Pakistan), Planning (resilient cities/ climate adaptation, British Columbia)	S
2023	L. Sandberg	UArctic North2North Research Internship - PhD (Arctic University of Norway Tromso, Norway), Planning (disaster liability/ urban climate change resilience)	S
2023	A. Volkova	Mitacs Globalink Undergraduate Summer Intern (National University of Kyiv, Ukraine), Planning (resilient cities/ climate adaptation)	S
2022	E. Gilchrist	Mitacs Globalink Undergraduate Summer Intern (University of Aberdeen, United Kingdom), Planning (resilient cities/ climate adaptation)	S
2021	S. Rombach	Mitacs Globalink Undergraduate Summer Intern (Bonn University, Germany), Planning (resilient cities/ climate adaptation)	S
2021	V. Ponds	Fulbright-Mitacs Undergraduate Summer Intern (University of South Carolina United States), Planning (resilient cities/ climate adaptation)	S
2019	Z. Fan	Mitacs Globalink Undergraduate Summer Intern (Northern Forestry University, China), Planning (climate adaptation/ Yukon)	S

2019	A. McPhee	Undergraduate Research Initiative Summer Intern (University of Alberta), Planning (cartography/ Prairies)	S

Mentorship - Directed Study Supervision
(University of Alberta, unless otherwise noted)

Year	Course	Students
2025	HGEO497: Climate adaptation, risk reduction	1x BA, Earth and Atmospheric Sciences
2023-2025	SUST410: Sustainability and local-scale resilience	2x BA, Human Geography
2021	EAS428: Research methods, climate adaptation	1x BSc, Earth and Atmospheric Sciences
2020	EAS427: Planning and climate change resilience	1x BSc, Earth and Atmospheric Sciences
2020	PAED567: Climate change and health	1x PhD, Pediatrics/ Medical Sciences
2017-2024	PLAN520: Planning for climate resilience	2x MA, 5x MSc, 3x PhD, Earth and Atmospheric Sci.
2016	HUMN6040: Science/ technology, humanities	1x PhD, Interdisciplinary Studies (Memorial University)
2014	GEOG6180: Social and environmental change	1x MLA, Landscape Architecture (University of Guelph)

COURSES DEVELOPED AND TAUGHT

(**LEVEL:** G: Graduate; UG: Undergraduate. **SEMESTER:** F: Fall; W: Winter; S: Spring)

University of Alberta, Edmonton, Alberta, Canada
School of Urban and Regional Planning/ Human Geography (2016-present)

Course	Level	Term	Year
PLAN485: Advanced Topics in Planning: Climate Change Adaptation for Communities	UG	W	2025-
PLAN511: Advanced Professional Planning Practice and Ethics	G	F	2018-
PLAN500: Planning for Resilient Cities and Regions	G	W	2018-
PLAN598: Advanced Research Methods and Analysis	G	F	2017-2023
PLAN399: Research Methods in Planning	UG	F	2016-2023
PLAN410: Professional Planning Practice and Ethics	UG	F	2016-

Massive Open-Online Course (MOOC):
Arctic Development (Community Planning and Resilience)

- Co-developed course (2018-2020): subject matter expert, content developer/ writer; on-screen host; superviser.
- Co-Instructor (2021-2025): Online course.

Toronto Metropolitan University, Toronto, Ontario, Canada
School of Urban and Regional Planning (2008-2019)

Course	Level	Term	Year
CPLE845: Topics in Planning: Climate & Resilience Planning: Science to Policy	UG	S	2010-2019
PLE745: Special Topics in Planning: Climate Change & Critical Thought	UG	F	2009
PLG720a: Advanced Studio: Sustaining Conservation Lands I: Public Use & Rec. Plan	UG	W	2008
PLG720b: Advanced Studio: Sustaining Conservation Lands II: Site Securement Plan	UG	W	2008
PLG620: Advanced Studio: Alternative Approaches to Site Development (Reduce UHI)	UG	F	2008
CPLE845: Topics in Planning: Climate & Resilience Planning: Science to Policy	UG	S	2010-2019

University of Canterbury, Christchurch, New Zealand

Department of Management (2009-2011)

Course	Level	Term	Year
MGMT230: Business, Society and the Environment	UG	W	2009-2011

SOCIETY AFFILIATION/ PROFESSIONAL DESIGNATIONS

Canadian Meteorological and Oceanographic Society.	2023-2024
Alberta Professional Planners Institute (Registered Professional Planner).	2021-
Canadian Institute of Planners (Member of the Canadian Institute of Planners).	2021-
Arctic Sustainable Resources and Social Responsibility, UArctic Thematic Network.	2019-
Association of Polar Early Career Scientists.	2017-2024
International Union for Conservation of Nature, Commission on Ecosystem Management.	2017-2021
International Sustainable Development Research Society.	2016-
Greenhouse Gas Inventory Quantification (Certified via Canadian Standards Association).	2012-2015
New Zealand Institute of Chartered Accountants SIG on Climate Change and Sustainability.	2009-2013

HONOURS: ACADEMIC, SCHOLARLY AND PROFESSIONAL

(**NOTE**: A full list of pre-PhD awards/ scholarships available upon request)

(*University of Alberta Nomination*) Frontiers Planet Prize (for excellence in research; international).	2024
(*Dept. Nomination*) GSA Faculty of Science Graduate Student Mentorship Award, University of Alberta.	2023
(*Dept. Nomination*) GSA Faculty of Science Graduate Student Mentorship Award, University of Alberta.	2022
(*Dept. Nomination*) GSA Faculty of Science Graduate Student Supervision Award, University of Alberta.	2019
College of Fellows, Royal Canadian Geographical Society.	2018-
International Fellow, The Explorers Club.	2018-
(*McMaster University Nomination*) Banting Postdoc Fellowship, School of Geography and Earth Sciences.	2013
Letter of Recognition for Achievement in PhD Research - Prime Minister Stephen Harper (Canada).	2013
Asia Pacific Interdisciplinary Research Emerging Scholar's Award, University of Sydney, Australia.	2010
Royal Society of New Zealand Marsden PhD Fellowship, University of Canterbury, New Zealand.	2009-2012

CONFERENCE PRESENTATIONS/ PROCEEDINGS

(underlined - graduate student under my supervision)

34 2026, May. *Managing solid waste at the periphery: Interplay between remoteness and urban governance in the Arctic*. Arctic Congress, Torshavn, Faroe Islands (w. Filimonova, N).

33 2025, October. *Institutional barriers, adaptive capacity & resilience in Fraser Valley, British Columbia, Canada.* Adaptation Futures Conference, Christchurch, New Zealand. (w. Kehler, S., Weissenberger, S).

32 2025, October. *Progress on climate change adaptation in practice: Insights from local and territorial government interactions*. Adaptation Futures Conference, Christchurch, New Zealand. (w. Rose, D, Bonnett, N).

31 2025, June. *The relevance of regional scale adaptation processes in Canada: Examples from Quebec and New Brunswick*. Coastal Zone Canada Conference. Charlottetown, Canada. (w. Weissenberger, S., Chouinard, O., Bastien-Porlier, N.)

30 2025, May. *L'échelle régionale de l'adaptation aux changements climatique au Canada et au Québec*. Premier Congrès du Réseau Québécois d'Adaptation et de Gestion des Zones Côtières. Rivière-du-Loup, Canada. (w. Weissenberger, S.).

29 2025, April. *Climate change adaptation planning: Breaking down barriers through comprehensive educational frameworks*. National Forum: Accelerating Climate Education, University of Waterloo/ Waterloo Climate Institute, Waterloo, Canada. (w. MacDonald, S. Bonnett, N).

28 2024, June. *A last resort or a sustainable adaptation option?: Planning for relocation in Northern communities vulnerable to climate stressors*. Arctic Congress. Bodo, Norway. (w. Bonnett, N).

27 2024, June. *Progress on climate resilience in practice: Insights from local and territorial government interactions*. Arctic Congress. Bodo, Norway. (w. Rose, D, Bonnett, N).

26 2024, April. *We Need to Talk: A case study on the importance of meaningful communication and collaboration for fostering community resilience*. Community Planning Association of Alberta Annual Conference, Red Deer, Canada. (w. Bonnett, N, Rose, D)

25 2024, April. *Arctic cities' policymaking in response to climate change: Exploring interactions with state and non-state actors*. International Studies Association Conference. San Francisco, USA. (w. Filimonova, N).

24 2023, June. *A multi-stakeholder perspective of community climate change risk and vulnerability*. Canadian Meteorological and Oceanographic Society Congress. St John's, Canada. (w. Kehler, S, Weissenberger, S).

23 2023, February. *Role of adaptation planning in supporting climate change resilience in remote northern communities*. Arctic Science Summit Week. Vienna, Austria. (w. Bonnett, N).

22 2022, May. *Avoiding maladaptation: Understanding vulnerability to climate change and encouraging resilience through policy*. Community Planning Association of Alberta Annual Conference. Leduc, Canada. (w. Kehler, S).

21 2021, November. *Technocracy, climate change and ineffective policy: a critical exploration of the social context of climate change vulnerability.* PLACE 21 Conference. (w. Kehler, S).

20 2021, May. *Local environmental change and planning for resilience across the Arctic*. Arctic Congress, Reykjavík, Iceland.

19 2021, March.*The influence of regional strategic policy on municipal climate adaptation planning*. Canadian Association of Geographers (Western Division) Conference, Lethbridge, Canada. (w. Bonnett, N).

18 2020, November. *Coastal climate adaptation planning and evolutionary governance: Insights from Alaska*. Conference on Ocean Governance: Action, insights and foreshadowing challenges. Bremen, Germany.

17 2020, September. *Climate change resilience building: Finding balance in adaptation governance*. International Conference on Sustainable Development, New York City, United States. (w. MacDonald, S, Slater, T).

16 2018, October. *Local scale climate vulnerability and response: Insights from decision-makers in Victoria, BC*. PLACE 18 National Planning Conference, Edmonton, Canada. (w. Antonakis, V, Heang, C, Macdonald, D).

15 2018, October. *Local scale climate vulnerability and response: Insights from decision-makers in North Vancouver, British Columbia.* PLACE 18 National Planning Conference, Edmonton, Canada. (w. Heang, C, Macdonald, D, Antonakis, V).

14 2018, October. *The incorporation of climate change adaptation into strategic policy in British Columbia local government: The case of Victoria and North Vancouver*. PLACE 18 National Planning Conference, Edmonton, Canada. (w. Macdonald, D, Antonakis, V, Heang, C).

13 2018, October. *Community scale climate vulnerability: The case of Surrey, British Columbia*. PLACE 18 National Planning Conference, Edmonton, Canada. (w. Bonnett, N).

12 2018, September. *Thinning sea ice and thawing permafrost: Climate change adaptation planning in Nome, Alaska*. International Conference on Sustainable Development, New York City, United States.

11 2018, March. *Climate change risks and adaptation planning in coastal communities*. Canadian Association of Geographers (Western Division) Conference, Edmonton, Canada. (w. Bonnett, N).

10 2018, March. *Local scale climate vulnerability in Surrey, British Columbia*. Canadian Association of Geographers (Western Division) Conference, Edmonton, Canada. (w. Bonnett, N).

9 2018, March. *Between a rock and a hard place - Planning for sea level rise in Bedford, Nova Scotia*. Canadian Association of Geographers (Western Division) Conference, Edmonton, Canada. (w. Gillespie, D, Singh, A).

8 2017, June. *Climate Change Adaptation Planning* in *Northern Communities: The Case of Nome, Alaska*. Canadian Institute of Planners Conference, Calgary, Canada.

7 2017, April. *Northern Community Climate Change Adaptation Planning: The Case of Homer, Alaska*. Arctic Science Summit, Prague, Czech Republic.

6 2016, September. *Climate change adaptation planning: Lessons from Nome, Alaska*. Livable Cities Forum, Halifax, Canada.

5 2016, July. *Avoiding the Unavoidable? Exploring accountabilities in the voluntary carbon market.* Asia-Pacific Interdisciplinary Research in Accounting Conference, Melbourne, Australia. (w Milne, M).

4 2016, July. *New Zealand voluntary carbon market: An investigation at the organizational level*. International Sustainable Development Research Society Conference, Lisbon, Portugal. (w. Murphy, M, Milne, M.).

3 2012, April. *Organizational involvement in carbon management*. International Research Society for Public Management Conference, Rome, Italy.

2 2011, May. *New Zealand government organizations and carbon neutrality: Should the Carbon Neutral Public Sector program have been scrapped?* American Canadian Conference for Academic Disciplines, Toronto, Canada. (w. Ball, A, Mason, I, Milne, M).

1 2010, December. *Environmental & economic benefits of the New Zealand Carbon Neutral Public Service program*. Australasian Conference on Social and Environmental Accounting Research, Albury, Australia. (w. Ball, A, Mason, I, Milne, M.).

INVITED SPEAKING (Seminar, Panel, Guest Lecture, Keynote)

(underlined - graduate student under my supervision)

53 2026, March (guest lecture). Climate adaptation governance in Yukon: Why local action lags in practice. ENPL 417-617: Local Climate Action Studio, University of Northern British Columbia, Prince George, Canada. (w. Bonnett, N., Rose, D.)

52 2025, June (seminar). *Urban planning: Building climate-resilient communities through adaptation planning.* Science Talks Series. University of Alberta, Edmonton, Canada.

51 2025, March (guest lecture). *The role of policy and planning in climate adaptation*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

50 2024, November (seminar). *Moving from talk to action: Exploring progress on health-focused climate adaptation in Western Canadian communities*. Healthy Built Environment Alliance Webinar. (w. Rose, D.)

49 2024, October (seminar). *We need to talk: Fostering community resilience through meaningful communication and collaboration*. Northern Spotlights Speaker Series, Northern Students' Association, University of Alberta. (w. Bonnett, N, Rose, D).

48 2024, June (panel). *Climate change adaptation and resilience: The intersection of urban planning and public health.* CASCADES Summer Institute on Sustainable Health Systems, School of Public Health, University of Alberta.

47 2024, May (panel). *Circumpolar education program on environmental change and resilience.* UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Arctic Congress, Bodo, Norway.

46 2024, March (guest lecture). *The role of policy and planning in climate adaptation*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

45 2024, February (panel). *Climate-health action talks*. Climate Change and Health Hub, Faculty of Health Sciences, University of Alberta, Edmonton, Canada.

44 2023, November (panel). *Impacts of climate change on critical infrastructure in the transportation sector and its interdependencies.* Senate of Canada, Standing Senate Committee on Transport and Communications. Ottawa, Canada.

43 2023, April (seminar). *Climate change and resilience in the North (Iceland + Canada).* Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

42 2023, March (symposium). *Local-scale planning for climate change disaster risk reduction: Enabling and constraining factors*. Natural Disasters Symposium, Edmonton, Canada. (w. Kehler, S).

41 2023, February (seminar). *Climate change and resilience in the North (Norway + Greenland).* Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

40 2023, January (guest lecture). *The role of policy and planning in climate adaptation*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

39 2022, November (seminar). *The importance of local-led climate adaptation in Yukon Communities: Mobilizing enablers and addressing barriers through a shift in governance*. Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w. Bonnett, N, Rose, D).

38 2022, November (seminar). *Climate change and resilience in the North (Canada + Mongolia)*. Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

37 2022, September (seminar). *A research program for local-scale planning, climate change and resilience in the North*. Fulbright Arctic Initiative, Fulbright Canada, University of Alberta.

36 2022, May (seminar). *A research program for local-scale planning, climate change and resilience*. School of Planning, Dalhousie University.

35 2022, February (seminar). *Climate change and resilience in the North (Canada).* Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

34 2022, February (seminar). *Drivers for green infrastructure mainstreaming in northern land development: An evolutionary governance perspective.* Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w. Baran, N).

33 2022, February (seminar). *Misconceptions and maladaptation: Uncertainty in northern infrastructure expansion.* Seminar on climate change and resilience in the North, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w. Kehler, S).

32 2022, January (guest lecture). *The role of policy and planning in climate adaptation*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

31 2022, January (guest lecture). *Coastal communities in the Circumpolar North and the need for sustainable climate adaptation approaches*. Arctic Planning and Environmental Changes, Agricultural University of Iceland, Hvanneyri, Iceland. (w. Bonnett, N).

30 2021, Sept (panel). *Preparing for the PSB Professionalism Exam.* Professional Standards Board (for the Planning Professional in Canada). Ottawa, Canada.

29 2021, June (seminar). *Climate change impacts and responses in the Arctic (Canada)*. Seminar on climate change impacts and responses in the Arctic, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

28 2021, June (panel). *CONVERGE Extreme Events Research Check Sheets*. Natural Hazards Center. University of Colorado Boulder, Boulder, United States.

27 2021, April (seminar). *Climate change stressors and response in Dawson City, Yukon*. Seminar on climate change impacts and responses in the Arctic (Canada and Iceland), UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w. Slater, T, Korczewski, M).

26 2021, April (seminar). *Climate change impacts and responses in the Arctic (Canada and Iceland)*. Seminar on climate change impacts and responses in the Arctic, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

25 2021, March (guest lecture). *Coastal communities in the Circumpolar North and the need for sustainable climate adaptation approaches*. Arctic Planning and Environmental Changes, Agricultural University of Iceland, Hvanneyri, Iceland. (w. Bonnett, N).

24 2021, March (seminar). *Climate change impacts and responses in the Arctic (Canada and Russia)*. Seminar on climate change impacts and responses in the Arctic, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

23 2021, January (seminar). *Climate change impacts and responses in the Arctic (Canada, Greenland, and Iceland)*. Seminar on climate change impacts and responses in the Arctic, UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada.

22 2021, January (seminar). *Climate change resilience in the Canadian Arctic: The need for collaboration in the face of a changing landscape*. Seminar on climate change impacts and responses in the Arctic (Canada, Greenland and Iceland), UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w/ MacDonald, S).

21 2021, January (seminar). *Coastal communities in the Circumpolar North and the need for sustainable climate adaptation approaches*. Seminar on climate change impacts and responses in the Arctic (Canada, Greenland and Iceland), UArctic Thematic Network on Local-scale Planning, Climate Change and Resilience, Edmonton, Canada. (w. Bonnett, N).

20 2020, October (seminar). *Understanding decision dynamics behind local-scale climate change action: From climate impacts to adaptation in practice*. ATLAS Talk Series, University of Alberta, Edmonton, Canada.

19 2020, September (seminar). *The importance of being flexible: Research doesn't always go the way you expect!* Quick Response Research Workshop (PIII: After the research), Institute for Catastrophic Loss Reduction and the Natural Hazards Center.

18 2020, August (panel). Arts Orientation: Human Geography and Urban and Regional Planning. Faculty of Arts, University of Alberta.

17 2020, March (guest lecture). *Climate stressors and adaptation planning in Arctic coastal communities*. HGP452: Human Dimensions of Environmental Change, University of Alberta, Edmonton, Canada.

16 2020, February (keynote). *Environmental extremes and the role of decision-makers in facilitating community resilience*. Emergency Management Stakeholder Summit, Edmonton, Canada.

15 2020, January (guest lecture). *The role of policy and planning in climate adaptation*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

14 2019 (panel). Integrating climate change into urban planning education and practice. UN Habitat - Planners for Climate Action. Nairobi, Kenya. Presented virtually.

13 2019 (seminar). *Local-scale planning, climate change and resilience*. 22nd Council of the University of the Arctic Meeting, Stockholm, Sweden.

12 2019 (guest lecture). *Local scale climate change impacts and resilience: The role of adaptation in policy and planning*. PLAN503: Masters Project Proposal, University of Alberta, Edmonton, Canada.

11 2018 (panel). Climate change resiliency Panel. PLACE 18 National Planning Students Conference. Edmonton, Canada.

10 2018 (panel). C*limate change and northern societies: Local scale challenges and resolve for action*. UAlberta North, University of Alberta, Edmonton, Canada.

9 2018 (panel). *Edmonton Prepares for Climate Change.* Cities and Climate Change Science Conference, EPCOR Stage. Edmonton, Canada.

8 2018 (seminar). *Low-lying coastal community risks: Lessons from Charlottetown, PEI.* Sustainability Research Centre, University of the Sunshine Coast, Sunshine Coast, Australia.

7 2017 (seminar). *Local scale climate vulnerability: The case of Nome, Alaska.* Conversations North Series, UAlberta North, University of Alberta, Edmonton, Canada.

6 2017 (guest lecture). *The challenges of climate change in northern coastal communities.* HGP452: Human Dimensions of Environmental Change, University of Alberta, Edmonton, Canada.

5 2015 (seminar). *Local government climate change resilience.* Dept. of Earth and Atmospheric Sciences, University of Alberta, Edmonton, Canada.

4 2012 (seminar). *Climate discourse & critical thought.* Georgian Bay Secondary School, Meaford, Canada.

3 2011 (seminar). *Comparative public sector carbon management.* PhD Speakers Series, University of Canterbury, Christchurch, New Zealand.

2 2010 (seminar). C*arbon neutrality and government organizations.* Centre for the Environment, University of Toronto, Toronto, Canada.

1 2010 (seminar). C*arbon neutrality and government organizations.* Faculty of Environmental Studies Speakers Series, York University, Toronto, Canada.

EXPERT INTERVIEWS/ RESEARCH PRESS

32 2026, June (academic), Waterloo Climate Institute, University of Waterloo. Accelerating Climate Education. Zoom interview (Michele Martin), Waterloo, Canada.

31 2026, June (news), The Tyee. The UCP is killing a key part of Alberta's environmental protection. Zoom interview (Zoe Mason), Medicine Hat, Canada.

30 2025, October (academic), Folio, University of Alberta. Western Canadian cities 'underprepared' for climate-related health risks: study. Email interview (Geoff McMaster), Edmonton, Canada.

29 2025, January (academic), Folio, University of Alberta. New climate adaptation course fills knowledge gap for urban planners. Zoom interview (Adrianna MacPherson), Edmonton, Canada.

28 2024, February (academic), Contours Magazine, Faculty of Science, University of Alberta. Hot days in the city. Zoom interview (Elizabeth Chorney-Booth), Edmonton, Canada.

27 2023, December (academic), Folio, University of Alberta. Personal, political perceptions stall community action on climate adaptation: study. Zoom Interview (Bev Betkowski), Edmonton, Canada.

26 2023, January (news), CBC. Climate change and local resilience policy: Role of urban planning. Zoom interview (Christy Climenhaga), Calgary, Canada.

25 2022, November (academic), Folio, University of Alberta. Collaboration at all levels of government key to climate action, say researchers. Zoom Interview (Donna McKinnon), Edmonton, Canada.

24 2022, November (news), Globe and Mail. Climate change action: A broader look at cities across Canada. Phone Interview (Alanna Smith), Edmonton, Canada.

23 2022, November (news), St. Albert Gazette. Climate change and potholes: Road maintenance in Alberta. Email Interview (Jack Farrell), St Albert, Canada.

22 2022, February (academic), Faculty of Science (University of Alberta), Peter Lougheed Leadership College. INTD406: Science, Innovation and Leadership. Climate change impacts: SLR, erosion and displacement in the Arctic. Zoom interview (Liam Kachkar), Edmonton, Canada.

21 2022, January (news), CBC. Climate change and local resilience policy/action in Alberta and Saskatchewan. Zoom interview (Christy Climenhaga), Calgary, Canada.

20 2021, November (academic), Folio, University of Alberta. Understanding social vulnerability is critical for climate change adaptation: study. Zoom Interview (Andrew Lyle), Edmonton, Canada.

19 2021, October (news), Columbia Journalism Investigations, Columbia University. Climate change and local-scale disaster risk reduction. Zoom interview (Zak Cassel), New York City, USA.

18 2021, October (news), CBC's The National. Urban climate change. Phone interview (Carmen Merrifield), Toronto, Canada.

17 2021, February (news), Calgary Journal. The effect and value of declaring a climate emergency at the municipal level. Email interview (Noel Harper), Calgary, Canada.

16 2020, October (academic), UArctic. Thematic Network on Local-Scale Planning, Climate Change and Resilience (Kirsi Latola), Finland.

15 2020, July (news), CityTV. Climate change in Canada's largest cities. Phone interview (Megan Robinson), Toronto, Canada.

14 2020, July (academic), Wageningen University. Resilience, reinvention and transition during and after quarantine. Interview (Spresearch).

13 2020, June (academic), Department of Geography, University of Victoria. Producing the ethical planner: An exploration of subject formation. Zoom interview (Lindsay Chase, PhD Candidate), Victoria, Canada.

12 2020, June (academic), Faculty of Science - SCI299: Science Citizenship. Climate change adaptation and disaster risk reduction. Zoom interview (Lina Qin), Edmonton, Canada.

11 2019, November (academic), Faculty of Science, University of Alberta. New international network on climate change. Zoom Interview (Katie Willis), Edmonton, Canada.

10 2019, August (industry), Smart Cities Dive. Designing/ planning open space to improve urban resilience to seismicity. Phone interview (Kira Barrett), Washington DC, USA.

9 2019, June (industry), Spacing Magazine. Climate impacts and policy/ planning action across municipalities in Canada. (Phone Interview) (Steph Wechsler), Toronto, Canada.

8 2019, March (news), National Public Radio (NPR), KBBI Homer, AK. Local-scale climate change stressors and policy response in Homer, Alaska. Phone interview (Renee Gross), Homer, Alaska, USA.

7 2019, March (academic), North Alberta Institute of Technology, Student Research Project. Climate change adaptation and role of geomatics. In-person interview (Deborah Uwihaye), Edmonton, Canada.

6 2019, February (academic), Faculty of Science, University of Alberta. Losing ground to climate change in coastal communities. Interview (Katie Willis), Edmonton, Canada. .

5 2019, February (academic), Faculty of Science, University of Alberta. Designing for earthquakes: How public open spaces can improve survival. Interview (Katie Willis), Edmonton, Canada.

4 2018, November (news), The Star Edmonton. Edmonton's climate change adaptation and resilience plan. Phone interview (Hamdi Issawi), Edmonton, Canada.

3 2018, August (news), The Star Edmonton. Climate change and rising temperatures in Edmonton. Phone interview (Hamdi Issawi), Edmonton, Canada.

2 2018, March (news), St. Alberta Gazette. *Edmonton Prepares for Climate Change.* EPCOR Stage. In-person, Edmonton, Canada.

1 2017, March (research), Enhancing Synergies for Disaster Prevention in EU/ European Union's Horizon 2020 Research and Innovation Programme. Local-scale climate change*. Phone, Huddersfield, UK*.

Other Press (news spotlights)

23 2026, May, UArctic News. Advancing Community-Led Arctic Education Through Collaboration and Co-Creation.

22 2025, September, UArctic News. Publication: Investigating the extent and quality of health-focused climate adaptation planning: Insights from Western Canadian communities.

21 2025, September, UArctic News. New Publication from the Thematic Network on Local-scale Planning: Adapting to Environmental Hazards in Norway.

20 2025, June, UArctic News. Thematic Networks Success Story: Supporting local resilience through education, collaboration and research dissemination.

19 2025, May, Canadian Chapter News, The Explorers Club (Fellow). Recently Published "Sometimes I just want to scream".

18 2025, January, UArctic News. Publication: Local planning for climate induced relocation: A systematic review.

17 2024, September, UArctic News. Bolstering community resilience through health-focused climate change adaptation: moving from talk to action in Western Canadian communities.

16 2024, May, UArctic News. Publication: Urban resilience through ecosystem services in Edmonton, Canada: An assessment of gaps and recommendations.

15 2024, May, UArctic News. Publication: Climate change adaptation planning: Breaking down barriers through comprehensive educational frameworks.

14 2023, September, Canadian Chapter News, The Explorers Club (Fellow). Key Elements of Defensible Space Land Use.

13 2023, August, UArctic News. Publication: Climate change adaptation: How short-term political priorities trample public well-being.

12 2023, June, Canadian Chapter News, The Explorers Club (Fellow). Perception of Risk and Responsibility Hinder Adaptation to Climate Change.

11 2023, June, UArctic News. Publication: Denial and discretion as a governance process.

10 2023, April, Fellows in the News, Fellows Journal, Royal Canadian Geographical Society. The influence of governance structure on local resilience.

9 2023, January, Fellows in the News, Fellows Journal, Royal Canadian Geographical Society. Fostering resilience and adapting to climate change in the Canadian North.

8 2022, October, Canadian Chapter News, The Explorers Club (Fellow). Climate change resilience and adaptation.

7 2022, October, UArctic News. Publication: Fostering resilience and adapting to climate change in the Canadian North.

6 2022, September, UArctic News. A community-driven education program on climate change in the Arctic.

5 2021, September, Fellows in the News, Fellows Journal, Royal Canadian Geographical Society. Social vulnerability and climate change adaptation.

4 2021, March, UArctic News. Local-scale Climate Resilience seminar series focuses on the climate change impacts and responses in the Arctic.

3 2020, February, Canadian Chapter News, The Explorers Club (Fellow). Local Planning, Climate Change and Resilience.

2 2019, December, UArctic News. UAlberta scientist to lead new Thematic Network on Local-Scale Planning, Climate Change, and Resilience.

1 2019, January, UArctic News. Three New Thematic Networks established in 2019.