



Centre for Community Disaster Research

Annual Report 2016-2017

Timothy J. Haney, Director

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ABOUT THE CCDR

Mission

The Centre for Community Disaster Research is a trans-disciplinary centre for research, education, and outreach related to natural, social, technological and economic disasters. The Centre is mandated with promoting rigorous academic research that is led by community need and involves university researchers, students, community groups, government stakeholders, and end-users of research as meaningful partners.

The Need

Following the catastrophic Southern Alberta flood of 2013, the CCDR grew out of widespread recognition that communities across Alberta, Canada, and the world will increasingly need to plan and prepare for extreme events. The Centre strives to generate academic research, sustained discussions, programming, and policy recommendations that will help to mitigate disaster risk, lessen vulnerability, and contribute to community resilience. Catastrophic events create new questions – the CCDR creates the answers.

Through our events and projects, the CCDR hopes to reduce community vulnerability to disasters, catastrophes, and crises, while promoting just and equitable recoveries when unfortunate events do occur.

What We Do

The CCDR works to fund, support, and promote research projects on disasters, disaster recovery, and post-disaster resilience. We also support initiatives that teach about disasters and crises, including field schools, internships, honours thesis projects, and service-learning projects. Finally, we are a hub for community debate about public policy, resilience initiatives, the needs of first responders, and best practices for communication during times of disaster. We host frequent seminars, brown-bags, guest speakers, symposia, and panels that promote this crucial dialogue.

THE YEAR IN REVIEW

The 2016-2017 academic year was our most successful year to date, particularly in terms of the impact of our research and our efforts to reach diverse audiences and stakeholders.

The year started off with our 2016 Fall Lecture, a talk on disasters and housing accessibility by Dr. Jeannie Haubert of Winthrop University. We held five seminar events during the year, several highlighting findings from our projects, and in May 2017 we hosted “Resilient Calgary,” in MRU’s new Bella Concert Hall. The event featured 10 short compelling talks – five by CCDR faculty/staff, four by distinguished guests and leading disaster researchers, and one by our valued community partners at the Calgary Emergency Management Agency, who helped to sponsor the event. The videos of these talks went live in July 2017 and have already been viewed hundreds of times, allowing the CCDR’s impact, and the findings from our projects, to travel the globe.

During the year, the CCDR continued to fund and support innovative projects, including projects on sexual assault policies and resources in the disaster context, on the evacuation of pets from disasters, on fostering resilience among children and youth after disaster, and many others. Several of our projects continued to benefit from external grant support, and one new project on pediatric resilience after the Fort McMurray wildfire received a large grant from the Canadian Institutes for Health Research (CIHR), and is now underway.

As you will note in the remainder of this report, we shared our findings widely, including through peer-reviewed publications, through reports for our community partners, through multimedia projects, via conference presentations, workshops, and in media interviews. These various dissemination channels allow the CCDR to reach diverse stakeholders including academic, community practitioners, and the public.

ACTIVITIES

Events

Fall Lecture

Our Third Annual Fall Lecture was given by Jeannie Haubert from Winthrop University. The talk was titled, "Now Where Are We Supposed to Live? How Natural Disasters Make Housing Inaccessible." This well attended talk was recorded by our friends at Design4Change, and is available at the following link:

https://www.youtube.com/watch?v=Pa9_DQabcxA



Seminars

As part of its mission, the CCDR seeks to increase dialogue about disasters and catastrophic events. One way that we do this is by hearing from speakers doing cutting-edge disaster work. Our seminars, more formal lecture-style events, allow participants to both learn and engage with this work. During the 2016-2017 year, we held five seminar events, including:

“The Geosciences of Natural Disasters; What We Know and What We Don’t” by Dr. Katherine Boggs, CCDR Faculty Affiliate, Mount Royal University. November 4, 2016.

“Evacuating Family Pets from the Fort McMurray Wildfire: Process, Politics, and People” by Dr. Kimberly Williams, CCDR Faculty Affiliate, Mount Royal University. November 25, 2016.

“Disaster Depictions and the Effect on Post Secondary Students” by Dr. Pat Kostouros, CCD Faculty Affiliate, Mount Royal University. December 9, 2016.

“The Social Costs of Hydraulic Fracturing in Southern Alberta” by Debra Davidson, CCDR Faculty Affiliate, University of Alberta. February 3, 2017.

“Effective, Ethical and (Still) Employed: Universities, Global Crises, and Academic Activism” by Dr. Amy Kaler, University of Alberta. April 7, 2017.

Resilient Calgary

The CCDR is committed to bringing innovative thought and dialogue to disaster research in an accessible way. On May 16, 2017 we brought this idea to a new kind of event that would be the biggest since our inception. The CCDR hosted 10 speakers to conduct TED-style talk on the stage of the Bella Concert Hall at Mount Royal University – five speakers from the CCDR, showcasing findings and learnings from their projects, and five distinguished guests. The talks were captured as high-quality videos by Hidden Story Productions and can be found at the following links:

“Children and Environmental Disasters: Resilience Among the Most Vulnerable” by Caroline McDonald-Harker, Mount Royal University.

Link: <https://www.youtube.com/watch?v=dGzS8yC9R3w&t=390s>

“Defining Success in the Midst of Battling the BEAST” by Assistant Chief Ken McMullen & Deputy Chief Susan Henry, Calgary Emergency Management Agency.

Link: <https://www.youtube.com/watch?v=eZjXeccGGjo>

“Improvising Disaster” by Tricia Wachtendorf, Director, Disaster Research Center, University of Delaware.

Link: <https://www.youtube.com/watch?v=TIGJGfZA9MQ>

“Providing Single Session Therapy in Post-Disaster Haiti” by Brian Guthrie, Mount Royal University.

Link: https://www.youtube.com/watch?v=bc_7hmnX2go

“Catastrophic Loss Trends and Property Damage in Canada: Things are Changing” by Glenn McGillivray, Institute for Catastrophic Loss Reduction.

Link: <https://www.youtube.com/watch?v=uyNwb3Ph9Hs>

“We’re Ready! Community Disaster Preparedness Pilot Project” by Eva Bogdan (Research Associate), Lisa Degenstein, Mary-Joy Lamprea, Judy McMillan-Evans, Carly Benson.

Link: <https://www.youtube.com/watch?v=svFdqSZDIG4>

“When Fire Ravages your Fieldwork Sites, it’s Either a Disaster or a Great Opportunity: Fire from a Scientist’s Perspective” by Sara Hewitt, Mount Royal University.

Link: <https://www.youtube.com/watch?v=JVaN2BGOSc&t=1s>

“How Natural Hazards Feed Social Inequality” by James R. Elliot, Rice University.

Link: <https://www.youtube.com/watch?v=Zlo7IESKWIo>

“Evacuating Family Pets from the Fort McMurray Wildfire: Process, Politics, & People” by Kimberly Williams, Mount Royal University.

Link: https://www.youtube.com/watch?v=Hn1TCIMI_js

“Engaging Youth to Create a Culture of Resilience” by Robin Cox, Royal Roads University.

Link: <https://www.youtube.com/watch?v=u2-QM63lx0M>

The event took place over an afternoon including opening and closing remarks by the CCDR Director, Timothy Haney, a welcome from the Dean of the Faculty of Arts, Jeff Keshen, and light dinner was served along with a book signing by some of our speakers. This was the biggest event to date and was successful in bringing community together to share knowledge.



Innovative Research

This section highlights several of the projects that we have funded or have supported during the year. Although not all are covered here, the projects are all included on our website, so please visit the site to learn more.

“Evacuating Pets from the Fort McMurray Wildfire: Process, Politics, and People”

Kimberly Williams, Faculty Affiliate.

This is a project looking at the experiences of relevant stakeholders involved in the evacuation of family pets during the 2016 Fort McMurray wildfire. Having completed all the interviews with a wide variety of stakeholders, including first responders, policymakers, and evacuees, the next step is to get the audio recordings transcribed, coded, and analyzed. Dr. Williams is in the process of applying for additional funding to hire a Research Assistant during Fall 2017 to transcribe the interviews, after which she will be able to complete my analysis and get to work writing up the results in the form of (1) a scholarly article to be submitted to the *International Journal of Emergency Management* and (2) a policy white paper to be circulated to various municipal, provincial, and federal stakeholders. In the meantime, she has presented initial findings and analysis in a number of venues, most recently at the Fort McMurray SPCA’s *Emergency Preparedness Day* as well as at the CCDR-sponsored *Resilient Calgary*, both in May 2017.

Presentations from both those events can be downloaded from the project’s companion website, fortmacpets.weebly.com.

“Alberta Resilient Communities”

Caroline McDonald-Harker (Faculty Affiliate), Julie Drolet (Faculty Affiliate), and Robin Cox (Royal Roads University)

ARC has had a productive year with research continuing in the areas of child, youth and community resilience post 2013 flood. Work has progressed in all areas of the project from the completion of three literature reviews and an annotated bibliography through to engagement in a variety of data collection and analysis strategies. Data collection occurred through interviews, workshops, focus groups, webinar, youth ‘paint nite’ and youth mentorship.

Transcription of the data is ongoing and analysis has begun, including the development of a case study regarding the Hearts and Minds program that has been identified as being a critical psychosocial support for children and youth in High River.

The ARC project team has continued to meet regularly, including a 2-day retreat in Banff in April. ARC continues to provide research assistantships to numerous students at the bachelor and master level (n=9) and a fellowship for a postdoctoral scholar.

Multi-directional mobilization of knowledge among researchers and non-academic audiences has occurred through presentations at the IPSCAN conference, Canadian Risk and Hazard Network Symposium (CRHNet), International Leadership Association Conference, Arts in Society Conference, Alberta Emergency Management Agency (AEMA) 2016 Summit, Ethnographic and Qualitative Research conference and Canada's Platform for Disaster Risk Reduction of the Americas conference. ARC also organized the Alberta College of Social Worker's (ACSW) Pre-Conference Workshop: Social Work Connections for Disaster Recovery. The team has been involved with community events in High River, Okotoks, Bragg Creek, Foothills MD, and Calgary to present a summary of the project and to engage communities. The child stream led a "Building Resilience in Kids" sport event for children ages 7 to 12 years, which was aided by Youth Facilitators from the youth stream and athletes from the Mount Royal University Cougar Men's Soccer team to help children learn/develop resilience skills through sport, play, and fun. A total of 72 children from the Southern Alberta flood-affected communities participated.

Another highlight this year was the Mayor's Environmental Expo (3-day event for children and youth (n=5000) held at the Calgary Municipal Building where ARC had 7 booths that directly engaged children and youth through games, play and fun as they were educated about natural disasters, emergency preparedness, the psychosocial impacts of disasters, and ways that children can develop resilience skills to help them when facing natural disasters and other major challenges in their lives. Seven academic manuscripts are being developed for submission to academic journals with additional manuscript preparation planned for Year 3. A recent publication is also now available:

Scannell, L., Cox, R. S., & Fletcher, S. (2017). Place-based loss and resilience among disaster-affected youth. *Journal of Community Psychology*, March 2017.

The ARC website has gone live: <http://arcproject.ca/>

The team developed three infographic for knowledge dissemination. ARC's work continues to benefit from ongoing engagement and guidance from youth facilitators, a youth advisory group and a community steering committee.

"Sexual Assault Prevention and Intervention in Disaster"

Cathy Carter-Snell, Faculty Affiliate, and Anne Troy, Louisiana State University

This project involved an environmental scan of relevant policy and resources available for sexual assault prevention in disaster. The researchers completed data collection for the environmental scan and this week will have finished the interviews. Student research assistant, Chelsey Creller, has been working with us and completed her hours from the CCDR grant and has now graduated from the Bachelor of Nursing program. They had an abstract accepted to present the research findings at the International Association of Forensic Nurses in Toronto, with both investigators (Cathy Carter-Snell- MRU, Anne Troy- Louisiana State University) and the

assistant (Chelsey Creller) presenting.

“Emergency Evacuation Protocols for Women Fleeing Abuse”

Patricia Kostouros (Faculty Affiliate) and Gaye Warthe

A research collaboration between Dr. Patricia Kostouros and Dr. D. Gaye Warthe focused on the protocols related to women fleeing abuse during a natural disaster. They were able to interview shelter personnel as well as emergency management personnel from three regions in Alberta where natural disasters occurred, these were: Slave Lake, High River and Fort McMurray. A literature review has been completed, and initial data analysis has taken place and one presentation occurred in June 2017 to the Alberta Council of Women's Shelters. An article will be prepared in the Fall 2017.

“A Peer Support and Mentoring Pilot Project for Community Service Providers and Children/Youth in Fort McMurray, Alberta: Developing Collaborative Support for Community Resilience and Disaster Recovery.”

Julie Drolet (Faculty Affiliate), Robin Cox (Royal Roads University), and Caroline McDonald-Harker (Faculty Affiliate),

This project is establishing a peer mentorship program between youth in Fort McMurray, affected by the 2016 wildfire, and High River, affected by the 2013 flood. This year the researchers recruited eight service providers in Fort McMurray who have now completed the open-ended questionnaire. They are currently recruiting the other eight service providers in High River to also complete the open-ended questionnaire, and as soon as that is done they will be putting together the peer mentorship report with the findings to service providers in both disaster-affected communities and then will be writing up our final report with the findings. They anticipate publications and presentations starting late this fall.

“We’re Ready – Community Disaster Preparedness Program for Fort McMurray, Alberta”

Eva Bogdan (Research Associate)

The “We’re Ready” project has wrapped up and has concluded its community disaster preparedness workshops. It has also done several presentations on learnings from the projects, and has culminated in a number of spin-off initiatives:

- Judy McMillan Evans, a We’re Ready! Team Member, is the chair of the Cataract Condo Complex and she presented about the We’re Ready! Workshop. Together with the Condo board they developed a risk

management plan and action for various types of events. Judy said: "Out of We're Ready! We became aware of how few people understand what to do in a crisis. But we now have a plan!"

- A recent FCIS Foothills Advisory meeting - including Lisa Degenstein and Mary-Joy Lamprea (We're Ready! Team Members) addressed how local service providers can support the immigrant population and others we serve for emergency preparedness. As a result local first responders have developed an interactive presentation geared for the Filipino communities in High River and Okotoks targeting preparedness and response (the Filipino community was one of the groups who participated in the We're Ready! workshop). For the first time, they will be engaging an interpreter for the sessions as well as providing translated materials.
- Finally, Carly Benson, Director for Emergency Management with the Town of High River and We're Ready Team Member has been instrumental in launching "Neighbourfest: Community Block Parties". This program will provide a block party starter kit, emergency preparedness information and icebreaker games to any neighbourhoods hosting a block party from May 19 to June 25." (The original We're Ready! plan was that the workshops would involve BBQ party). With May being Emergency Preparedness Month in High River, the town is encouraging people to get out, meet your neighbours and make connections we recognize are the backbone of preparedness.

The "We're Ready!" project website, including findings, can be accessed at: www.wereready.org.

Volunteering and Connectedness Following the Fort McMurray Fire

Shelley Boulianne (MacEwan University), Joanne Minaker (Macewan University), and Timothy Haney (CCDR Director)

The Fort McMurray wildfire of 2016 activated the largest charitable response in Canadian Red Cross post-war history, with over a million donations from Canadians and over \$136 million in funds. The Alberta Wildfire Donation Centre has sent over 850 pallets worth of donations to the Fort McMurray. From fundraising barbecues to veterinary services, fuel and clothing to time and dollars, Albertans have demonstrated an unmatched care and concern from the residents of Fort McMurray and surrounding communities. This timely research project tries to explain Albertans' generosity in relation to this disaster. What is the role of social media in promoting generosity? To what degree can this generosity be explained by a spirit of care amongst Albertans? The

researchers purchased space on the Alberta Survey 2016. The survey collected data in late June through early August 2016 about social media uses to follow news about the wildfire, level of concern for those displaced by the fire, as well as donating, volunteering, and other efforts to support those displaced by or fighting the wildfire. The research will help researchers and charitable organizations understand the conditions under which people are willing to help those in need. Analysis of data is now finished, and the researchers presented findings at several conferences including: Society of Edmonton Demographers, Social Media and Society conference, and the American Sociological Association conference. Findings are now submitted for publication, as well.

New Funding Opportunities

To support our partners and Faculty Affiliates, undertaking new and innovative projects, the CCDR writes letters of support and commits some in-kind resources to these new and emerging opportunities. During the 2016-2017 year, our Faculty Affiliates were successful in securing one new external grant:

Dr. Caroline McDonald-Harker (Faculty Affiliate, Co-Principal Investigator) in collaboration with Dr. Peter Silverstone from the University of Alberta (Co-Principal Investigator), Dr. Julie Drolet from the University of Calgary (Faculty Affiliate, Co-Principal Investigator), and Dr. Vincent Agyapong and Dr. Sedar Dursun from the University of Alberta (Co-Principal Investigators) have received a two year Canadian Institutes of Health Research (CIHR) grant of \$500,000 to fund a study they are conducting entitled “The Health Effects of the Alberta Wildfire and Evacuation: Pediatric Resiliency.”

Teaching, Learning, and Professional Development

Workshop Attendance

July 2017, our director, Tim Haney, attended the Natural Hazards Center’s annual workshop in Broomfield, Colorado. There, he liased with other Center directors, learned about the landscape of disaster and hazards research, and brought back a tremendous amount of knowledge to the Centre. He also co-organized and co-chaired a session on “Teaching and Learning About Disaster”

Alumni Achievements

The CCDR is proud of the work of our alumni, who often go into careers in environmental work, emergency management, law, research, or related fields. In the past year, several of our alumni have made noteworthy career and educational achievements:

Travis Milnes (RA on the Calgary Flood Project) finished his first year as a graduate student at Colorado State University. Along with Timothy Haney, he had an article from the Calgary

Flood Project published in the journal *Environmental Sociology*.

Victoria Stamper (RA on the Calgary Flood project) is the recipient of a very competitive SSHRC graduate scholarship. She is now attending graduate school in sociology at the University of Calgary.

Kathryn Wells (CCDR Office Manager and former RA on the High River Family Study) has accepted an offer of admission and is now attending graduate school in Sociology at York University. She and Timothy Haney recently had an article on disaster children's books published in *Contexts*, a publication of the American Sociological Association.

Angela Laughton (RA on the Calgary Flood Project) was an Outreach Coordinator for Alberta's New Democratic Party, and is now a Research Assistant at the Calgary Counselling Centre.

Zachary Cox (RA on the High River Family Study) completed a Master's Degree in Disaster and Emergency Management at Royal Roads University, Victoria BC. He is employed as a disaster recovery consultant for IBM.

Grace Ajele (RA on the Calgary Flood Project) is a law student at the University of Calgary and is employed by Calgary Legal Guidance.

Melanie Putic is employed by the Inter-American Development Bank in Washington, DC, where she assists in the advancement of socially and environmentally-sustainable development projects.

Onyekachi Nwoke completed a Master's degree in Development Studies at York University.

Teaching and Learning

Boggs, Katherine (Faculty Affiliate). Structural geology (GEOL 2105) - term project using earthscope data - characterizing structures in northern Canada and Alaska and their earthquakes

Boggs, Katherine (Faculty Affiliate). Physical geology (GEOLOGY 1101) - course theme - develop personal strategy for surviving natural disasters

Communicating

Communicating results of our work is at the heart of what we do at the CCDR. Besides our internal seminars and brown-bags, CCDR Faculty Affiliates gave 28 presentations to external stakeholders, published 12 articles, reports or infographics, did 17 media interviews, organized three conference sessions, made seven multimedia videos, and otherwise worked to create and advance knowledge in the field.

Presentations and Workshops

Haney, Timothy (Director). “Risk Perception, Evacuation Decisions, and Life Since the Flood: Findings from the Calgary Flood Project.” Talk for the Calgary Emergency Management Agency, July 2017.

Haney, Timothy (Director). “Sociology, Global Crises, and Building Resilient Communities.” Annual Alpha Kappa Delta (Sociology Honor Society) Keynote Speaker, Randolph-Macon College, Ashland, Virginia, April 2017.

Haney, Timothy (Director). “Resilience in the Face of Disaster.” Talk at Ignite Leadership Summit, Banff, Alberta, March 2017.

Haney, Timothy (Director). “Move Out or Dig In? Risk Awareness and Mobility Plans in a Post-Disaster Community.” Hawaiian Sociological Association annual meeting. Kaneohe, Hawaii., February 2017.

Haney, Timothy (Director). “Move Out or Dig In? Risk Awareness and Mobility Plans in a Post-Disaster Community.” American Sociological Association annual meeting. Montreal, Quebec, August 2017.

Haney, Timothy (Director) and Travis Milnes (former Research Assistant). “There’s Always Winners and Losers”: Traditional Masculinity, Resource Dependence, and Post-Disaster Environmental Complacency.” American Sociological Association annual meeting. Montreal, Quebec, August 2017.

Boulianne, Shelley, Joanne Minaker, and Timothy J. Haney (Director). “Does Compassion Go Viral? Social Media, Caring, and the Fort McMurray Wildfire.” American Sociological Association annual meeting. Montreal, Quebec, August 2017.

McDonald-Harker, Caroline (Faculty Affiliate). “From Victimized to Stigmatized: The Lived Experiences of Women Who Mother in the Context of Domestic Violence.” American Sociological Association Annual Meeting, Montreal, Quebec, August 2017.

McDonald-Harker, Caroline (and student Research Assistants). Workshop on resilience in disaster for children attending the Mayor’s Environmental Expo, City of Calgary, June 2017.

The researchers talked with over 5,000 elementary and junior high school students about their preliminary study findings related to children, disasters, and resilience. They helped children learn through games, play and fun about Canadian natural disasters, the two major recent Alberta disasters, emergency preparedness, the psychosocial impacts of disasters, and ways that children can develop resilience skills to help them when facing natural disasters and other major challenges in their lives.



Drolet, Julie (Faculty Affiliate), Caroline McDonald-Harker (Faculty Affiliate), and Timothy J. Haney (Director). “Disaster Research Context in Alberta” Annual meeting of the Alberta College of Social Workers, Calgary, Alberta, March 2017.

Bogdan, Eva (Research Associate). Invited presenter. Three presentations on flood management in Alberta and the Netherlands: Public engagement, comparing Room for the River in Alberta and the Netherlands, and the We’re Ready! project. University of Dundee, Dundee, Scotland, March 2017.

Bogdan, Eva (Research Associate). “We’re Ready! Community disaster preparedness pilot project in High River, Alberta.” Transformational Change: Research Showcase, Faculty of Extension, University of Alberta. Poster presentation, November 2016.

Kostouros, Pat (Faculty Affiliate). “Depicting the suffering in the post-secondary classroom” Presented at Clute Institute: International Conference on Education. San Diego California, March 2017.

Boggs, Katherine (Faculty Affiliate). “Natural disasters; you and your family.” Opening for the GSA Rocky Mountain section meeting, Calgary, Alberta, June 2017.

- Hill, Kennedy (Student Researcher). Panelist on Youth Engagement in Policy-Making. Fifth Regional Platform for Disaster Risk Reduction in the Americas organized by United Nations Office for Disaster Risk Reduction and Public Safety Canada. Montreal, Quebec.
- Drolet, Julie, and Caroline McDonald-Harker (Faculty Affiliate). “Alberta Resilient Communities Network.” Alberta College of Social Workers Annual Conference, Calgary, Alberta, March 2017.
- Drolet, Julie (Faculty Affiliate) and Caroline McDonald-Harker (Faculty Affiliate). “Alberta Resilient Communities: The Perspectives of Community Influencers on Engaging Children and Youth in Community Resilience Post-Flood in Southern Alberta.” 29th Annual Ethnographic and Qualitative Research Conference. Las Vegas, Nevada, January 2017.
- Drolet, Julie (Faculty Affilaite), Robin Cox, and Caroline McDonald-Harker (Faculty Affiliate). “Alberta Resilient Communities: A Collaborative Research Initiative on Engaging Children and Youth in Community Resilience Post-Flood in Southern Alberta.” Canadian Risk and Hazards Network, Montreal, Quebec, November 2016.
- McDonald-Harker, Caroline (Faculty Affiliate) and Minaker, Joanne. “The Role and Influence of Mother-Care In Environmental Disasters.” MIRCI: Motherhood Initiative for Research and Community Involvement Conference, Toronto, Ontario, October 2016.
- McDonald-Harker, Caroline (Faculty Affiliate). “From Crisis to Resilience: The Lived Experiences of Mothers and Children in the Context of Domestic Violence.” XXIst ISPCAN International Congress on Child Abuse and Neglect, Calgary, Alberta, August 2016.
- Drolet, Julie (Faculty Affiliate), Robin Cox and Caroline McDonald-Harker (Faculty Affiliate). “Alberta Resilient Communities Project – Children and the Crisis of Environmental Disasters Understanding Impacts and Resiliency Strategies.” XXIst ISPCAN International Congress on Child Abuse and Neglect, Calgary, Alberta, August 2016.
- McDonald-Harker, Caroline. Invited Speaker. “The World of Academia: A Career as Professor, Researcher, and Author,” Human Library, Foothills School Division, Oilfields School, Black Diamond, Alberta, March 2017.
- McDonald-Harker, Caroline. “Mothering in Marginalized Contexts: Narratives of Women Who Mother In and Through Domestic Violence,” Mothering Initiative for Research and Community Involvement, 10th Anniversary Gala Book Launch, Toronto, Ontario, October 2016.

McDonald-Harker, Caroline. Invited Speaker. "Understanding, Supporting, and Empowering Women and their Children in Situations of Domestic Violence," YWCA Sheriff King Home, Calgary, Alberta, September 2016.

Publications

Milnes, Travis (former Research Assistant) and Timothy J. Haney (Director). (2017). "There's Always Winners and Losers": Traditional Masculinity, Resource Dependence, and Post-Disaster Environmental Complacency." *Environmental Sociology* 3(3): 260-273.

Wells, Kathryn (Office Manager) and Timothy J. Haney (Director). (2017). "D is for Disaster." *Contexts: Understanding People in their Social World* 16(2): 62-64

Kostouros, Patricia (Faculty Affiliate), & Wenzel, J. (2016). Depictions of Suffering in the Postsecondary Classroom. *Traumatology*. Advance online publication. <http://dx.doi.org/10.1037/trm0000110>

Haney, Timothy J (Director). and Caroline McDonald-Harker (Faculty Affiliate). (Forthcoming, Published Online First). "The River is Not the Same Anymore": Environmental Risk and Uncertainty in the Aftermath of the High River, Alberta Flood." *Social Currents*.

Haney, Timothy J (Director). (2017) *Rising Waters, Difficult Decisions: Findings and Recommendations from the Calgary Flood Project*. Report published by the CDDR. Calgary, Alberta: Mount Royal University.

Debra Davidson (Faculty Affiliate). "Evaluating the effects of living with contamination from the lens of trauma: a case study of fracking development in Alberta, Canada." *Environmental Sociology*. Forthcoming, Published Online First.

Wu, H., & Drolet, Julie (Faculty Affiliate). (2016). Adaptive social protection: Climate change adaptation and disaster risk reduction. *Social development and social work perspectives on social protection* (pp. 96-119). Abingdon, UK: Routledge.

McDonald-Harker, Caroline (Faculty Affiliate). "Five Ways to Increase Children's Resilience Infographic." Mount Royal University, April 2017

McDonald-Harker, Caroline (Faculty Affiliate). "Child Research Initiative: Alberta Resilient Communities Infographic." Mount Royal University, March 2017

McDonald-Harker, Caroline (Faculty Affiliate) "Youth Research Initiative: Alberta Resilient Communities Infographic." Mount Royal University, March 2017

McDonald-Harker, Caroline (Faculty Affiliate). "Community Research Initiative: Alberta Resilient Communities Infographic." Mount Royal University, March 2017.

Media Interviews

“‘Resilient Calgary’ to highlight natural disaster research, resilience in Alberta.” *Calgary Herald*, May 2017. Includes interviews with Timothy Haney (Director), Caroline McDonald-Harker (Faculty Affiliate) and Kimberly Williams (Faculty Affiliate)

“Calgary professor looks for solutions to deal with pets after disasters like Fort McMurray wildfire” Interview with Kimberly Williams (Faculty Affiliate), *Calgary Sun*, November 2016.

“Fort Mac pets: MRU researcher tackling problems with animal evacuation” Interview with Kimberly Williams, *Metro News*, November 2016.

Link: <http://www.metronews.ca/news/calgary/2016/11/25/fort-mac-pet-rescue-centre-of-mount-royal-university-study.html>

“A new study looks at the best way to deal with pets during natural disasters” Interview with Kimberly Williams (Faculty Affiliate) on CBC’s *The Homestretch*, November 2016.

Link: <http://www.cbc.ca/news/canada/calgary/programs/homestretch/a-new-study-looks-at-the-best-way-to-deal-with-pets-during-natural-disasters-1.3944087>

Interview about “Resilient Calgary” event on News Talk 770 radio’s “Calgary Today.” Timothy Haney, Kimberly Williams, and Caroline McDonald-Harker, May 2017.

“The generosity of Albertans and the ‘spectacle of giving’.” Interview with Eva Bogdan (Research Associate). University of Alberta.

Link: <https://www.ualberta.ca/news-and-events/newsarticles/2016/may/the-generosity-of-albertans-and-the-spectacle-of-giving>

“How to Make a 72-Hour Emergency Kit” *AMA Insider*, interview with Timothy J. Haney (Director).

Link: <http://amainsider.com/how-to-make-a-home-emergency-kit/>

“Fort McMurray wildfire PTSD studies ready to begin with \$1M grant” *Calgary Herald*, interview with Caroline McDonald-Harker (Faculty Affilaite) and Julie Drolet (Faculty Affiliate).

Link: <http://www.cbc.ca/beta/news/canada/edmonton/one-million-dollars-ptsd-fort-mcmurray-wildfire-1.4073187>

“Study reveals residents' attitudes toward flood-altered environment” Interview with Caroline McDonald-Harker (Faculty Affiliate) and Timothy Haney (Director) in *High River Times*, October 2016.

Link: <http://www.highrivertimes.com/2016/10/26/study-reveals-residents-attitudes-toward-flood-altered-environment>

“Behind The Threats Against Calgary City Councillors: Who? How? Why? Experts Untangle Origin of Attacks”. Interview with Caroline McDonald-Harker, Calgary Metro News, August 23, 2017.

Link: <http://www.metronews.ca/news/calgary/2017/08/23/behind-calgary-council-s-threats.html>

“Addressing Pornography in the Education System.” Television interview with Caroline McDonald-Harker on CTV Two, Alberta Primetime, November 25, 2016.

Link: <http://alberta.ctvnews.ca/video?clipId=1003687&binId=1.2002989&playlistPageNum=1>

“Calgary University Introduces Fall Reading Week to Support Students’ Mental Health.” Radio Interview with Caroline McDonald-Harker on News Talk 770, November 21, 2016. (Date November 21, Time 4:00pm, 17:09)

Link: <http://www.newstalk770.com/audio-on-demand-2/>

“Study Focused on Resiliency in Southern Alberta.” Newspaper interview with Caroline McDonald-Harker in *High River Times*, July 28, 2016.

Link: <http://www.highrivertimes.com/2016/07/28/study-focused-on-resiliency-in-southern-alberta>

“Mount Royal Professor Learned a Lot at Cornwall’s Centre for Abused Women and Children.”
Newspaper interview with Caroline McDonald-Harker, Cornwall Seaway News, July 20,
2016.

Link: <http://www.cornwallseawaynews.com/News/2016-07-20/article-4592675/Mount-Royal-Professor-learned-lessons-in-dealing-with-domestic-abuse-from-Baldwin-House/1>

“State of Emergency Debate Offers No Clear Path in Alberta Opioid Crisis.” Interview with
Timothy Haney in Metro News, March 2017.

Link: <http://www.metronews.ca/news/calgary/2017/03/07/emergency-debate-no-clear-path-solve-alberta-opioid-crisis.html>

“As BC Wildfire Evacuees Return, Mayors Look Ahead.” Interview with Timothy Haney on
CBC’s “Coast to Coast Checkup”, July 2017:

Link: <http://www.cbc.ca/news/canada/british-columbia/you-really-have-to-move-on-as-b-c-wildfire-evacuees-return-mayors-look-ahead-1.4218471>

Conference Session Organization

Drolet, Julie, Cox, Robin, and McDonald-Harker, Caroline. (November 2016). “Alberta Resilient Communities Project.” Canadian Risk and Hazards Network, Montreal, Quebec.

Drolet, Julie, Cox, Robin, and McDonald-Harker, Caroline. (August 2016). “Alberta Resilient Communities Project.” XXIst ISPCAN International Congress on Child Abuse and Neglect, Calgary, Alberta.

Haney, Timothy J. Session on “Disaster” at Hawaiian Sociological Association annual meeting. Kanoche, Hawaii, February 2017.

Multimedia

Besides publications and presentations, the CCDR seeks to reach a large, international audience through our creation of innovative videos and multimedia resources. All of our 10 short talks from the “Resilient Calgary” event can be accessed on the CCDR’s YouTube channel, at the following link. The link also contains a video of our Fall Lecture on housing after disasters by Dr. Jeannie Haubert, as well as a video explaining the mission and vision of the CCDR. This exciting multimedia content can be found at:

www.youtube.com/user/ccdrmr

Website Maintenance and Updating

We continued to create new content for our website, to use the website to communicate about our projects, and we have now started to place reports, infographics, and other output from our projects, on our website. In the last three years, our website has become a hub for collaboration, information archiving, and sharing our success stories.

The site can be accessed at:

<http://www.mtroyal.ca/ccdr>

LOOKING FORWARD

With nearly all of our projects actively sharing and disseminating findings in 2016-2017, we are hopeful that the CCDR and, by extension, MRU has now become a leader in advancing thinking and best practices on disaster risk and resilience. We believe that what we have learned from events like the 2013 Southern Alberta Flood and 2016 Fort McMurray wildfire have helped to make Alberta, Canada, and communities across North America, safer. In a world experiencing disasters of ever larger magnitude and of increasing frequency, we hope our work will be received, adapted, scaled-up, and implemented by planners, policy-makers, and community groups across the continent. Driven by the expertise and passion of our faculty members, students, and partners, the Centre is informed by its past learnings and driven by future challenges.

Our May 2017 “Resilient Calgary” event capped off a successful first three years at the CCDR and we are excited for what the next chapter will bring. If you would like to be part of that chapter, please contact the Centre through our email, social media channels, or our website. We believe we have built a Centre that is truly unique, particularly in the Canadian context, and are optimistic that we will continue to produce innovative work that mitigates risk, enhances the capacity for resilience, and improves the human condition.

