



**News Digest of the Canadian Association of Geographers
No. 431, February 7, 2017**

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UBC Geography's Statement of Solidarity with the Muslim Community: In light of the January 29th massacre at the Centre Culturel Islamique de Québec, as well as the Trump Administration's executive order banning people from many Muslim-majority nations from travelling to the US, the Department of Geography reaffirms our commitment to fostering an inclusive and safe environment that provides students, faculty, and staff with the best possible conditions for learning, researching, and working. We denounce all discrimination, hatred, and violence on the basis of nationality, race, and religion. We stand in solidarity with and in some cases as people of colour, Indigenous people, Muslims, Jewish people, immigrants, asylum-seekers, refugees, people with disabilities, members of the LGBTQI communities, and allies in favor of equality and social justice. The executive order has sparked anxiety for many students, faculty and staff, and their families. There has been increased violence against people of colour, Indigenous people, women, undocumented migrants, Muslims, Jews, and LGBTQI people in the USA, Canada and elsewhere in the world. As scholars and teachers, we are dedicated to exploring the processes that shape contemporary human societies and to reflect self-critically on the foundations of structural inequality. We take inspiration from on-going struggles of resistance to white supremacy, settler colonialism, and gender and reproductive violence. Today, we express our commitment to promoting a diverse, inclusive, and just community capable of discussion and disagreement without retreating to places of fear, hate and intolerance. [UBC Geography](#)

U Toronto Department of Geography and Planning Statement on US Executive Order on Immigration: The faculty and graduate students of the Department of Geography and Planning at the University of Toronto join other academic communities within the University and beyond in condemning the Executive Order on Immigration signed by US President Donald J. Trump on Friday, January 27th, banning citizens of Iran, Iraq, Libya, Somalia, Sudan, Syria and Yemen entry to the United States, and suspending all refugee applications for a minimum of 120 days. The order is an affront to human dignity, an attack on the most vulnerable and a program of blatant discrimination and Islamophobia. The Executive Order comes at a time of deepening racism and gendered violence not only in the United States but also in Canada. The abhorrent terrorist attack against worshippers at a mosque in Quebec City on Sunday January 29th alerts us to the severity of these issues in Canada and the dangers of complacent critique. We stand in solidarity with our colleagues who have protested the Executive Order, for example the Department of Political Science faculty at U of T, The University of Toronto Faculty Association, the [Canadian Association of Geographers](#), the Association of American

Geographers and the Association of Collegiate Schools of Planning. Scholarship in geography and planning, like all academic endeavors, thrives on cooperation and exchange across national borders. In our discipline, such international engagement is critical to understanding the world in its human and natural complexity. As noted in the response by the Association of American Geographers, '[d]iversity and international interactions in the field of geography are essential to addressing global issues including security, peace, economic well-being, and health, as well as to achieving global understanding of our world and understanding in our world'. The immigration ban profoundly contravenes these professional values and commitments and contributes to misunderstanding and international instability. We therefore affirm our commitment to the principles of non-discrimination, cooperation and inclusion. We pledge as a department and in our academic endeavors to take practical steps to neutralize the harms of the Executive Order on our students and colleagues (e.g., when organizing conferences or workshops, joint research projects, and other forms of cooperation). We will work to encourage action from the University of Toronto and the international scholarly community, including the AAG, more broadly to condemn the ban, strengthen the call for its repeal and build solidarity. [U Toronto Department of Geography and Planning](#)

U Calgary's Marit Rosol joins panel to discuss complexity of food systems: Farmed salmon isn't always bad, organic isn't always what it seems to be and buying local isn't necessarily sustainable. About 200 people turned out to learn more about these complexities. Four panellists encouraged people to eat good food, learn about local and regional food systems, help educate others, volunteer in local and community food movement initiatives and become activists and advocates for food and sustainability issues. "Canada has a massive problem with food insecurity," says Marit Rosol, Tier II Canada Research Chair in Global Urban Studies and associate professor in the Department of Geography. "We may be focusing too much on food banks, but we need income-based solutions." To overcome food insecurity, we have to address the lack of affordable housing, rising tuition and other social issues. Rosol also spoke about the "extreme concentration of power" in the food industry where only 500 companies worldwide control 70 per cent of our food choices. "But if we think buying local is the solution, we ignore the national and other scales that can achieve real change," Rosol says. [UToday](#)

Concordia U deciphering Indigenous history...with tree rings: The Department of Geography, Planning and Environment is offering a brand-new undergraduate course, examining how the collision of Old and New Worlds in the late 1400s has changed the landscape on both North American and European continents. "Environmental History of the Americas", taught by Jeannine St. Jacques, the department's newest tenure-track hire, will examine changes that occurred to the environment, agriculture, animal life, and more. "If you were an Indigenous person living in North America 500 years ago, and you could see what things look like today, the world has changed beyond recognition – and it is not an improvement," says St. Jacques. St. Jacques, who is Métis, is a climatologist by training, and studies natural phenomena like tree rings to reconstruct historic climate shifts. Another useful investigative tool? Lake sediment. "If you slice things up carefully without disturbing them, you get a record going back in time," says St. Jacques, noting, "you'd be surprised to see what kinds of critters used to live there!" Students will learn about topics ranging from the destruction of the Eastern Deciduous Forest and its re-growth, the effect of the fur trade, the destruction of the bison, to how the trapping of the beavers for fur trade impacted the environment. The course, which is designed for students from both the Humanities and Social Sciences, contains plenty of lessons which can be applied today. "It's a very topical class because in the next 500 years with global warming and all the environmental changes we've been having – which we've caused – the world will once again change into something unrecognizable for us, alive now." St. Jacques says she already feels right at home at Concordia. "I'm very happy to be in the Geography department, it looks like it's a great, lively crowd," she says. "I feel like I've come home." [Concordia U Geography, Planning and Environment](#)



Brock University Department of Geography and Tourism Studies department chair **Chris Fullerton** was interviewed on the first ever episode of *The GeoNiagara Radio Show*. Topics discussed include the history of the department, current research being undertaken, Dr Fullerton's personal research interests, and the challenges facing the Niagara region moving forward. Also discussed were the outreach efforts to connect the department with the broader community. [CFBU Brock University Student Radio](#).

Memorial U's Arn Keeling grew up in Prince George and now works as a researcher who took part in creating a movie about the long-lasting effects of mines. He speaks to Robert Doan on [CBC's DayBreak North](#)

U Waterloo Environment launches urban studies minor. Building on the Faculty of Environment's strong interdisciplinary approach, and drawing from expertise across the campus, the Urban Studies Minor combines courses in planning, ecology, environmental studies, geography, sociology, political science, international development and more. The minor will prepare students to pursue careers in both the public and private sectors and increase their competitiveness for graduate programs in a variety of fields. [Waterloo Daily Bulletin](#)

Simon Fraser U's Eugene McCann is the Managing Editor of the reimagined version of the journal *Environment & Planning C*. The journal's new subtitle, *Politics & Space*, speaks to its new identity as an international geographical journal of critical, heterodox, and interdisciplinary research into the relations between the political and the spatial. It will advance debates on the spatialization of politics and the politicization of spatial relations. *Politics & Space* welcomes contributions that integrate empirical and theoretical analyses to engage, advance, challenge, and reframe debates about the political.

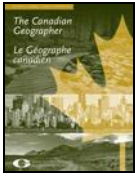
UBC Geography in new partnership with University of Central Asia. UBC, through its departments Geography and Earth, Ocean and Atmospheric Sciences, entered into an educational partnership to help the University of Central Asia with the curriculum design of an undergraduate Earth and Environmental Sciences Programme. [UBC Geography](#)

U Lethbridge undergraduate student Jonathan (Jay) Merkley awarded the 2016-2017 MacLachlan Prize. The award was established on Professor Ian MacLachlan's retirement from the Department of Geography, University of Lethbridge. In recognition of unfailing commitment to student success and mentorship, it is awarded annually to the student in 2nd year Economic Geography who best displays enthusiasm for and a commitment to the sub-discipline. [U Lethbridge](#)

U of Toronto News spoke with Emily Gilbert, an associate professor of geography and planning and Canadian studies in the Faculty of Arts & Science at the University of Toronto, about the implications of President Donald Trump executive orders and how Canada will be affected by these sweeping changes. [U of T News](#)

Saint Mary's U's Danika van Proosdij (Geography and Environmental Studies Faculty-SMU) and Tony Bowron (Environmental Science Ajunct Faculty-SMU) awarded bronze medal by Halifax Business Association for Innovation. [SMU Geography News](#)

New in [The Canadian Geographer / Le Géographe canadien](#)



Anthony J. Brazel. 2017. [Urban climate and physical geography: A response to Ashmore and Dodson](#). The Canadian Geographer / Le Géographe canadien. DOI: 10.1111/cag.12351

Hot Papers by Canadian Geographers

- Jordan Blair Reglin Eamer, Dan Hirsh Shugar, Ian James Walker, Olav B. Lian and Christina M. Neudorf. 2017. [Distinguishing depositional setting for sandy deposits in coastal landscapes using grain shape](#). Journal of Sedimentary Research 87:1-11.
- Alexander C. Ednie, Ofer Amram, Nadine Schuurman and Natalie L. Yanchar. 2017. [Comparing pyloromyotomy outcomes across Canada](#). Journal of Pediatric Surgery. doi.org/10.1016/j.jpedsurg.2017.01.021
- Dana Ehlert and Kirsten Zickfeld. 2017. [What determines the warming commitment after take back cessation of CO2 emissions?](#) Environmental Research Letters 12.
- Fenglei Hana, Lin Chen, Wenbing Yu, Weibo Liu and Xin Yi. 2017. [Experimental study on heat transfer of upright pipes in cold regions](#). Applied Thermal Engineering. doi.org/10.1016/j.applthermaleng.2017.01.081
- Adrienne Johnson. 2017. [Putrefacción del Cogollo and the \(post-\)neoliberal ecological fix in Ecuador's palm oil industry](#). Geoforum 80:13-23.
- Heidi Karst. 2016. ["This is a holy place of Ama Jomo": Buen vivir, indigenous voices and ecotourism development in a protected area of Bhutan](#). Journal of Sustainable Tourism. DOI:10.1080/09669582.2016.1236802
- Jean-Sébastien Landry, Antti-Ilari Partanen and H Damon Matthews. 2017. [Carbon cycle and climate effects of forcing from fire-emitted aerosols](#). Environmental Research Letters 12(2).
- Geneva List and Oliver T. Coomes. 2017. [Natural hazards and risk in rice cultivation along the upper Amazon River](#). Natural Hazards. doi:10.1007/s11069-017-2758-x
- Reinhard Pienitz and Luc Cournoyer. 2017. [Circumpolar Diatom Database \(CDD\): a new database for use in paleolimnology and limnology](#). Journal of Paleolimnology 57:213–219.
- Jean-François Rousseau. 2017. [Does carbon finance make a sustainable difference? Hydropower expansion and livelihood trade-offs in the Red River valley, Yunnan Province, China](#). Singapore Journal of Tropical Geography. DOI: 10.1111/sjtg.12176.
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Jeremy Snyder, Valorie A Crooks, Annalise Mathers and Peter Chow-White. 2017. [Appealing to the crowd: ethical justifications in Canadian medical crowdfunding campaigns](#). Journal of Medical Ethics. DOI:10.1136/medethics-2016-103933

Lauren E. Van Patter and Alice J. Hovorka. 2017. [‘Of place’ or ‘of people’: exploring the animal spaces and beastly places of feral cats in southern Ontario](#). Social & Cultural Geography. DOI:10.1080/14649365.2016.1275754

Christopher Webb. 2017. [Between precarity and paternalism: Farm workers and trade unions in South Africa's Western Cape Province](#). Global Labour Journal 8.

Margaret Walton-Roberts, Smita Bhutani and Amandeep Kaur. 2017. [Care and global migration in the nursing profession: a north Indian perspective](#). Australian Geographer. doi.org/10.1080/00049182.2016.1266633

Corey Wells, Scott Ketcheson and Jonathan Price. 2017. [Hydrology of a wetland-dominated headwater basin in the Boreal Plain, Alberta, Canada](#). Journal of Hydrology. doi.org/10.1016/j.jhydrol.2017.01.052

Wen Lin and Janok P. Bhattacharya. 2017. [Estimation of source-to-sink mass balance by a fulcrum approach using channel paleohydrologic parameters of the Cretaceous Dunvegan Formation, Canada](#). Journal of Sedimentary Research 87:97-116.

Kirsten Zickfelda, Susan Solomonb and Daniel M. Gilford. 2017. [Centuries of thermal sea-level rise due to anthropogenic emissions of short-lived greenhouse gases](#). Proceedings of the National Academy of Sciences of the United States of America 114:657-662.

Recent Theses and Dissertations

Ellena Andoniou. 2016. [Probiotic yoghurt for health, nutrition and women's empowerment in Kenya: A community-based approach](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Isaac Luginaah.

Roger Antabe. 2016. [Environment and health perceptions in the vicinity of surface mining concessions in the upper west region of Ghana](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Isaac Luginaah.

Jason Bayne. 2016. [The effects of municipal waste disposal method on facility support and, diversion attitudes and behaviours](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Jamie Baxter.

Nathaniel Bergman. 2016. [Channel form and processes in a formerly glaciated terrain](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisors: Dr's. Marco Van de Wiel and Steve Hicock.

Michael Clark. 2016. [Examining the food networks of small businesses in a food district and the potential for fostering local development](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Jason Gilliland.

Ileana Diaz. 2016. [Coffee agroecology, food sovereignty and agrarian livelihoods in Puerto Rico](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Carol Hunsberger.

Benoit Faucher. 2017. [Distribution, source and cycling of organic carbon and nitrogen in the icy soils of University Valley \(McMurdo Dry Valleys of Antarctica\)](#). Unpublished MSc thesis. Department of Geography, University of Ottawa, Ottawa, Ontario. Supervisor: Denis Lacelle.

Christopher Hewitt. 2016. [The Battle of Hastings: A geographic perspective](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisors: Dr's. Phil Stooke and Michael Gervers.

Xiaodong Huang. 2016. [Application of polarimetric SAR for surface parameter inversion](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Jinfei Wang.

Jason Igras. 2016. [Uncertainty analysis of the performance of a system of best management practices for achieving phosphorus load reduction to surface waters](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor: Dr. Irena Creed.

Natalie Izral. 2016. [Investigating the suitability of the crayfish metabolome as an indicator of stream conditions](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor: Dr. Adam Yates.

Mark McGregor. 2016. [An investigation of the marketing practices of local food businesses in southwestern Ontario](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Jason Gilliland.

Christine Mitchell. 2016. [Children's physical activity and the built environment: the impact of neighbourhood opportunities and contextual environmental exposure](#). Unpublished MA thesis. Department of Geography. Western University, London. Supervisor: Dr. Jason Gilliland.

Eli Paddle. 2016. [Staged to learn: Trees as a restorative amenity in and around schools](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Jason Gilliland.

Ian Pritchard. 2016. [Automated impact crater detection and characterization using digital elevation data](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor's: Dr's. Jinfei Wang and Phil Stooke.

Douglas Rivet. 2016. [Examining the active transportation-built environment relationship in London, Ontario](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Jason Gilliland.

Leonard Sielecki. 2017. [The deer-vehicle collision phenomena in the United States](#). PhD dissertation. Department of Geography, University of Victoria, Victoria, British Columbia. Supervisor: Dan Smith.

Yang Song. 2016. [Evaluation of the UAV-based multispectral imagery and its application for crop intra-field nitrogen monitoring and yield prediction in Ontario](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor: Dr. Jinfei Wang.

Thomas Thayer. 2016. [Urban walkability measures: Data quality, cautions, and associations with active and public transportation across Canada](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor's: Dr. Jason Gilliland and Godwin Arku.

Mengieng Ung. 2016. [Assessing climate change adaptation and health in coastal Cambodia: the human-environment interaction](#). Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Isaac Luginaah.

Brennan Vogel. 2016. The case of multi-level governance and municipal adaptation. Unpublished PhD thesis. Department of Geography. Western University, London. Supervisor: Dr. Gordon McBean.

Ann Waz. 2016. [An automated framework to identify lost and restorable wetlands in the prairie pothole region](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor: Dr. Irena Creed.

Hannah Woods. 2016. [The contribution of Community-based Health Planning and Services \(CHPS\) to community sustainability and health in the upper west region of Ghana](#). Unpublished MSc thesis. Department of Geography. Western University, London. Supervisor: Dr. Isaac Luginaah.

Other "Geographical" News

The secret life of trees: Is nature less selfish than we think? Nature might not be all about a ruthless "survival of the fittest". Research suggests that trees don't just compete for survival, but also cooperate and share resources using underground fungi networks. "A forest has an amazing ability to communicate and behave like a single organism -- an ecosystem," Suzanne Simard, an ecologist at the University of British Columbia, told [CNN](#).

Barely-educated humans impact bear behaviour: The American black bear can rest easier thanks to conservation research conducted at UBC's Okanagan campus. A recent study indicates that while urban sprawl results in more human-bear interactions, human education can hinder negative encounters. [UBC Okanagan News](#)

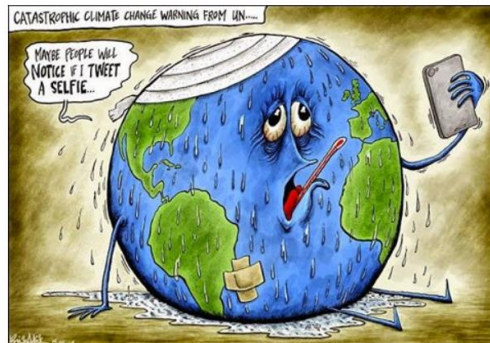
Should you be allowed to break the law to fight climate change? *'I had to vandalize the pipeline. It was necessary to prevent the imminent threat of climate change.'* That's the type of argument some climate activists have been trying to use in U.S. courts lately. It's called the necessity defence, and it allows you to argue that in an effort to avoid an emergency, you had no choice but to commit a crime. [CBC Radio: The 180](#)

Cancer and climate change: I'm a climate scientist who has just been told I have Stage 4 pancreatic cancer. This diagnosis puts me in an interesting position. I've spent much of my professional life thinking about the science of climate change, which is best viewed through a multidecadal lens. Now that my personal horizon has been steeply foreshortened, I was forced to decide how to spend my remaining time. Was continuing to think about climate change worth the bother? [New York Times Sunday Review](#)

Toronto's Pearson International Airport unveils design for new transit hub: The GTA could be getting a second Union Station, but this one would be at Pearson airport. The Greater Toronto Airports Authority released new images of the multi-modal transit centre it wants to build across from Pearson's two main terminals by 2027. If built, the centre would connect with a number of transit lines including

the Eglinton Crosstown LRT, Mississauga's bus rapid transit plan and potentially a high-speed rail line to the Kitchener-Waterloo area. [CBCNews | Toronto](#)

Some Not So “Geographical” News



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