



Climate Security and its Challenges

A Conference presented by the Centre FrancoPaix
& the Climate Security Association of Canada

April 8-9, 2024 - Salon Orange - UQAM

The purpose of the Climate Security Association of Canada is to bring together, coordinate, and enhance the capacities of scholars, policymakers, practitioners, media professionals, and others with a professional interest in generating, disseminating, and applying knowledge related to climate change and security. CSAC aims to foster independent and responsible scholarly inquiry among our members and contribute to informed and guided climate security policymaking. CSAC also strives to improve the teaching and dissemination of ideas, concepts, methods, and information about climate security. To fulfill these objectives, the Association actively seeks cooperative relationships with relevant organizations and supports graduate students through meetings and scholarship opportunities.

Founded in 1996 and located at the Université du Québec à Montréal, the Raoul-Dandurand Chair in Strategic and Diplomatic Studies is dedicated to the analysis of international affairs, academic training, and research dissemination to the benefit of universities, government agencies, international organizations, the private sector and society at large. The Raoul-Dandurand Chair is a self-financing organization that relies on the financial support of private and government partners. It comprises five research observatories, including the Centre FrancoPaix in conflict resolution which is funded by the Organisation internationale de la Francophonie.

This event will be livestreamed

<https://dandurand.uqam.ca/webinaire>

Partners :



Conseil de recherches en
sciences humaines du Canada

Social Sciences and Humanities
Research Council of Canada



PROGRAM

APRIL 8TH, 2024 [\(to register for this day's event\)](#)

8h30 – Doors open

9h00-9h15 | **Opening Remarks**

Bruno Charbonneau, RMCSJ, CSAC, CFP

9h15-10h00 | **Keynote Address**

Mathieu Bussières, Director, Climate Change and Security Centre of Excellence (CCASCOE)

10h00-10h15 – Coffee break

10h15-11h45 | **Panel 1 – State-of-the art: research, policy, expertise**

Moderator: Bruno Charbonneau, Royal Military College Saint-Jean

Panellists:

- Simon Dalby, Wilfrid Laurier University
- Marcus King, Georgetown University
- Cullen Hendrix, Peterson Institute for International Economics
- Sharon Burke, Ecospherics
- Katie Woodward, CCASCOE

11h45-13h45 – Lunch

13h45-15h15 | **Panel 2 – The Energy Transition**

Moderator: Gabrielle Daoust, University of Northern British Columbia

Panellists:

- Wsewolod Rusow, ENSEC COE
- Noémie Rebière, IRIS
- Daniel Scholten, University of Minnesota
- Angélique Palle, IRSEM
- Cullen Hendrix, Peterson Institute for International Economics

15h15-15h45 – Coffee break & Eclipse

15h45-17h15 | **Panel 3 – Expertise and Knowledge Gaps**

Moderator: Pauline Baudu, Université du Québec à Montréal

Panellists:

- Alexandre Giguère and Bruno Charbonneau, Royal Military College Saint-Jean
- Niklas Heijl Bremberg, Stockholm University
- Thor Olav Iversen, NUPI
- Anessa Kimball, Université Laval

APRIL 9TH, 2024 (to register for this day's event)

8h30 – Doors open

9h00 – 10h30 | **Panel 4 – Military carbon emissions**

Moderator: Sarah-Myriam Martin-Brûlé, Bishop's University

Panellists:

- Samu Paukkunen, Head, Climate and Energy Security Section, NATO HQ
- Linsey Cottrell, CEOBS
- LCol David Burbridge, Canadian Armed Forces
- Lloyd Chubbs, CJOC

10h30-10h45 – Coffee break

10h45-12h15 | **Panel 5 – Military and Policy Challenges**

Moderator: Bruno Charbonneau, Royal Military College Saint-Jean

Panellists:

- Dhanasree Jayaram, Manipal Academy of Higher Education
- Allison Brown, US Army Climate Directorate
- Simon Dalby, Wilfrid Laurier University
- Sarah-Myriam Martin-Brûlé, Bishop's University

12h15-14h00 – Lunch

14h00-15h30 | **Panel 6 – Regional Dynamics of the Climate Crisis**

Moderator: Nicolas Hubert, UQAM

Panellists:

- Ulrich Seidenberger, CCASCOE
- Gabrielle Daoust, University of Northern British Columbia
- Neda Zawahri, Cleveland State University
- Ayesha Siddiqi, University of Cambridge
- Anselm Vogler, IFSH

15h30-15h45 – Coffee break

15h45 – 17h15 | **Panel 7 – Civil-Military Cooperation in Climate-Related Emergencies (CASA)**

Moderator: Tom Deligiannis, Wilfrid Laurier University

Panellists:

- Alexandrine Bisailon, Ouranos
- Jessica Olcott Yllemo, American Security Project
- Ashley Moran, University of Texas
- LCol Vincent Virk, Canadian Armed Forces
- Libbey Dresser and Rebecca Lloyd, Balsillie School of International Affairs

17h15 – 17h30 | **Conclusion**

Axel Omgba, Organisation Internationale de la Francophonie
Bruno Charbonneau, RMCSJ, CSAC, CFP

Panel 1 :

State-of-the art: research, policy, expertise

Speaker biographies

Bruno Charbonneau (PhD Queen's University) is Professor and Director of the Centre on Security and Crisis Governance (CRITIC) at the Royal Military College Saint-Jean. He is the founder and Director of the Centre FrancoPaix en résolution des conflits et missions de paix of the Raoul-Dandurand Chair at the Université du Québec à Montréal. He is a Deputy Editor of the Canadian Military Journal. His work focuses on international interventions in armed conflicts. In particular, he studies the regional and international dynamics of conflict management and resolution in Francophone West Africa. He is currently developing a NATO-supported project on climate security and the effects of the climate crisis on conflicts and interventions. His research has been funded by the Social Sciences and Humanities Research Council of Canada, the Organisation internationale de la Francophonie, and Global Affairs Canada, among others. He has collaborated with various agencies of the Canadian, US and French governments, the UN, the EU, the G5 Sahel and the OIF.

Simon Dalby is a Professor Emeritus at Wilfrid Laurier University, a Fellow at the Balsillie School of International Affairs, Senior Fellow at the Centre for International Governance Innovation, and a Senior Research Fellow at the Centre for Global Studies at the University of Victoria. From 2012 to 2018, he held the CIGI Chair in the Political Economy of Climate Change at the Balsillie School of International Affairs. He co-edited *Reframing Climate Change* (Routledge 2016) and *Achieving the Sustainable Development Goals* (Routledge 2019), and authored *Anthropocene Geopolitics* (University of Ottawa Press 2020), *Rethinking Environmental Security* (Edward Elgar 2022) and *Pyromania: Fire and Geopolitics in a Climate Disrupted World* (Agenda 2024).

Marcus DuBois King is Professor of the Practice in Environment and International Affairs at Georgetown University's Edmund A. Walsh School of Foreign Service. He is Vice Chairman of the Council on Strategic Risks and Senior Fellow at the Center for Climate and Security. Dr. King also draws on experience from a number of governmental and non-governmental organizations including CNA Corporation's Center for Naval Analyses as well as positions in the U.S. Departments of Energy and Defense. His most recent book is *Weaponizing Water: Water Stress and Islamist Extremist Violence in Africa and The Middle East* (Lynne Rienner 2023).

Cullen S. Hendrix is senior fellow at the Peterson Institute for International Economics, nonresident senior research fellow at the Center for Climate & Security and fellow at the Payne Institute at the Colorado School of Mines. He has been affiliated with PIIE since 2010. His 30+ peer-reviewed articles on the relationships between international markets, natural resources, and conflict, as well as the economic and security implications of climate change, have appeared in journals ranging from *Nature*, *Nature Climate Change*, *Biological Reviews*, *Ecology and Society*, *Marine Policy*, and *Global Environmental Change* to the *British Journal of Political Science*, *Journal of Conflict Resolution*, *Political Geography*, and *Journal of Peace Research*. He is coauthor, with Marcus Noland, of *Confronting the Curse: The Economics and Geopolitics of Natural Resource Governance* (2014). In addition, Hendrix has authored reports published by or consulted for organizations including the Asian Development Bank, the Chicago Council on Global Affairs, the National Intelligence Council, Oxfam America, USAID, and the World Food Programme. He was a contributing author to the 2022 IPCC report, for which he assessed the implications of climate change for threats to peace and human mobility.

Honorable Sharon E. Burke is the President of Ecospherics, a research and consulting firm focused on the security implications of climate change, energy, biodiversity loss, critical minerals, and agriculture. She is also the Co-Founder with Dr. Rod Schoonover of the Ecosphere Council, a new non-profit organization dedicated to policy solutions for ecosystem security. Throughout her career, Burke has worked to shape U.S. energy and climate security policy as a leader at several civic organizations and in the U.S. government, most recently as part of the Biden-Harris transition team. Burke started her career in the Energy and Materials program of the U.S. Office of Technology Assessment, served at the State Department in the George W. Bush Administration, and as the Assistant Secretary of Defense for Operational Energy in the Obama Administration. She is a frequent public speaker, published writer, and strategic advisor to corporate boards, national laboratories, and U.S. government agencies.

Dr. Katie Woodward is the Deputy Head of Research, Analysis and Lessons at the NATO Climate Change and Security Centre of Excellence (CCASCOE) in Montreal, Canada. Specialising in the fields of psychology, human security, terrorism and the social and behavioural impacts of climate change, Dr Woodward represents the UK Ministry of Defence in developing evidence-based insights to assess, anticipate, act, and adapt to the multi-faceted challenges posed by climate change. Before joining CCASCOE, Dr Woodward developed the UK's Support and Sustainability Science and Technology Programme, providing the research and evidence needed to support the strategic direction of the UK MOD as they face the challenges of climate change and the opportunities of embracing sustainability in military operations.

Panel 2 :

The Energy Transition

Speaker biographies

Dr Gabrielle Daoust is an Assistant Professor in the Department of Global and International Studies at the University of Northern British Columbia. Her areas of research include a focus on the relationships between environmental and climate change, water, and (in)security, and approaches to and experiences of humanitarian and 'development' intervention, with a particular focus on the Lake Chad region. Her current work explores 'everyday' understandings and experiences of, and responses to, conflict and climate-related insecurities. Recent publications on climate and security include *Divided Environments: A Political Ecology of Water, Climate Change and (In)Security* coauthored with Jan Selby and Clemens Hoffmann (Cambridge University Press, 2022) and 'Understanding the politics of climate security policy discourse: the case of the Lake Chad Basin' with Jan Selby (*Geopolitics*, 2023), as well as research and policy reports for the UK's Foreign, Commonwealth and Development Office, UNICEF, and the British Red Cross.

Mr. Wsewolod Rusow graduated as M.Sc.Eng. in Aeronautics and Space Technology from Bundeswehr University Munich in 2005. He served (1999-2011) as an officer with the German Navy through various positions and deployments. He joined German Federal Office for Defence Procurement and In-Service Support as a project manager, responsible for aviation programs. He was a Defence Engineer with the DRDC Toronto (2016). From 2018, he has been an energy security expert at the NATO Energy Security Centre of Excellence.

Dr. Noémie Rebière is an associate research fellow at the French Institute for International and Strategic Affairs. She is expert in energy issues in the fields of defense and security. With a PhD from the French Institute of Geopolitics, she has specialized in energy security and the geostrategic role of Türkiye in hydrocarbon transportation. In the last five years, she has worked on energy issues within various departments of the French Ministry of Defense. She served as rapporteur for the Defense Energy Strategy at the Minister of Defense's Cabinet, as an analyst in the Operational Energy Division of the Armed Forces Headquarters, and as a civilian auditor at the War College as part of the 30th promotion.

Daniel Scholten is visiting assistant professor at the Humphrey School of Public Affairs, University of Minnesota. He is also a research associate at Clingendael's EU & Global Affairs Unit, the Netherlands, and guest lecturer at the University of Stavanger, Norway. Dr. Scholten specializes in the geopolitics of the energy transition whilst having a broader interest in the politics and governance of sustainability. He aims to contribute to a smooth energy transition, both domestically and globally, through his research, policy advice, and teaching on energy security and climate policy. Previously, he was a senior strategic advisor on energy and sustainability at the Netherlands Authority for Consumers and Markets (energy regulator) and assistant professor at Delft University of Technology. He was also part of the expert panel of the IRENA global commission on the geopolitics of energy transformation in 2018. His educational background combines degrees in political science (Radboud University) and international & European relations (University of Amsterdam, with distinction) with a PhD on the economic organization of future energy systems (Delft University of Technology).

Angélique Palle has a PhD in geography from the University of Paris 1 Panthéon-Sorbonne, where she worked during her thesis on issues of energy supply and transition, as well as on the dynamics of regional integration. Since October 2017, she has been a researcher at IRSEM in the Armaments and defense economics field. Her work addresses issues of energy supply and strategic materials, energy transition and the effects of environmental changes on armies. She is a civilian auditor within the 137 promotion of the Ecole de Guerre-Terre in 2022 and participates in the work of the transversal axis "Covid and Armies" which gave rise to the ANR Army program (2020-2022) as well as to the "Adaptation and climate security" axis.

Cullen S. Hendrix is senior fellow at the Peterson Institute for International Economics, nonresident senior research fellow at the Center for Climate & Security and fellow at the Payne Institute at the Colorado School of Mines. He has been affiliated with PIIE since 2010. His 30+ peer-reviewed articles on the relationships between international markets, natural resources, and conflict, as well as the economic and security implications of climate change, have appeared in journals ranging from *Nature*, *Nature Climate Change*, *Biological Reviews*, *Ecology and Society*, *Marine Policy*, and *Global Environmental Change* to the *British Journal of Political Science*, *Journal of Conflict Resolution*, *Political Geography*, and *Journal of Peace Research*. He is coauthor, with Marcus Noland, of *Confronting the Curse: The Economics and Geopolitics of Natural Resource Governance* (2014). In addition, Hendrix has authored reports published by or consulted for organizations including the Asian Development Bank, the Chicago Council on Global Affairs, the National Intelligence Council, Oxfam America, USAID, and the World Food Programme. He was a contributing author to the 2022 IPCC report, for which he assessed the implications of climate change for threats to peace and human mobility.

Panel 3 :

Expertise and Knowledge Gaps

Speaker biographies

Pauline Baudu is a Research Fellow with Chaire Raoul Dandurand's Centre FrancoPaix, a Fellow at Arctic360, a nonresident Research Fellow with the Center for Climate and Security, and coordinates the Climate Security Association of Canada. Her research focuses on the convergence of climate change and security, with special attention to the North American and European Arctic and the maritime domain, and to the role of NATO in addressing this nexus. She is a member of NATO's Research Task Group on the Effects of Climate Change on Security (SAS 182), and a group lead as part of the Newport Arctic Scholars Initiative of the U.S. Naval War College to advance integrated naval deterrence in the Arctic, where she brings a climate lens to the discussions. She is also a PhD candidate at Université du Québec à Montréal. She previously served as a public official with the French National Asylum Court in Paris for six years, as well as with the UN Human Rights Office and several NGOs on issues of human rights, refugee law and non-discrimination.

Alexandre Giguère is an assistant professor of Chemistry and the head of the Science department at the Royal Military College of Saint-Jean. He holds a M. Sc. in Medicinal Chemistry and a Ph. D. in Theoretical Chemistry from University of Montreal. His research interest focuses on the application of machine learning to molecular electronic devices discoveries. He is also interested in merging deep learning and decision making under deep uncertainty in climate security. He is a member of the System Analysis and studies panel of NATO on Climate Security (SAS 182).

Bruno Charbonneau (PhD Queen's University) is Professor and Director of the Centre on Security and Crisis Governance (CRITIC) at the Royal Military College Saint-Jean. He is the founder and Director of the Centre FrancoPaix en résolution des conflits et missions de paix of the Raoul-Dandurand Chair at the Université du Québec à Montréal. He is a Deputy Editor of the Canadian Military Journal. His work focuses on international interventions in armed conflicts. In particular, he studies the regional and international dynamics of conflict management and resolution in Francophone West Africa. He is currently developing a NATO-supported project on climate security and the effects of the climate crisis on conflicts and interventions. His research has been funded by the Social Sciences and Humanities Research Council of Canada, the Organisation internationale de la Francophonie, and Global Affairs Canada, among others. He has collaborated with various agencies of the Canadian, US and French governments, the UN, the EU, the G5 Sahel and the OIF.

Niklas Bremberg is Associate Professor of Political Science at Stockholm University and Associate Senior Research Fellow at the Swedish Institute of International Affairs (UI). He is also Associate Senior Researcher at the Stockholm International Peace Research Institute (SIPRI). He is currently project leader of the research project "Anticipating the future: humanitarian aid in a changing climate" within Mistra Geopolitics. His research interests include international practice theory, diplomacy, climate security and EU foreign and security policy. He has been visiting researcher at University of Toronto, University of Liverpool, Universitat Autònoma

de Barcelona and European Policy Centre (Brussels). His recent publications include articles in *Global Studies Quarterly*, *International Affairs*, *European Journal of International Relations* and *WIRE: Climate Change*.

Thor Olav Iversen, Senior Research Fellow (NUPI) holds a doctorate in Theory of Science from the University of Bergen (2023). His research interests include peacebuilding, food security and science and technology. Iversen studies Climate-related Peace and Security Risks and issues of peace and security through a lens of the epistemology of complexity. He also has a strong research interest pertaining to sciences and technology adjacent to the development and humanitarian field. From 2015 to 2017, furthermore he worked as a regional programme officer at the UN World Food Programme.

Anessa L. Kimball (prof/they/iel) is a professor of political science & director of the Centre for International Security (CSI) at the École supérieure d'études internationales at Université Laval as well as a co-director of two Canadian Defense and Security Network (CDSN) themes (i.e., Security; Climate security & NATO). Kimball completed graduate studies in political science at Binghamton University, SUNY (MA & PhD) with a focus on international relations. Dr. Kimball uses quantitative methods and rational institutionalist approaches to examine the design of defense and security cooperation arrangements and burden sharing. Their research on informal defense agreements and formal defense alliances is published in scientific journals, such as the *Journal of Peace Research*, *European Politics and Society*, *Journal of Transatlantic Studies* among others. Their book on NATO burden sharing, *Beyond 2% - NATO partners, institutions & burden management: Concepts, risks & models*, appeared in 2023. Kimball's next project offers a comparative study of NATO Centres of Excellence as collective goods. This project informs the Canadian initiative to establish and host a NATO Climate Change and Security Centre of Excellence (CCASCOE) and is supported by MINDS grant.

Panel 4 :

Military carbon emissions

Speaker biographies

Sarah-Myriam Martin-Brûlé is Full Professor at Bishop's University and Non-Resident Fellow at the International Peace Institute, New York. She is the Deputy Director of the *Centre FrancoPaix*. In 2018–2019, she was the Canada Fulbright Research Chair for Peace and War Studies. In 2021, she was awarded the 3M National Teaching Fellowship. She is an associate faculty member of the Center for International Peace and Security Studies (CIPSS) and of the Montreal Center for International Studies (CERIUM). Her research focuses on peacekeeping-intelligence, peace operations and security issues related to intra-state wars. Her most recent publications include "Competing for Trust: Challenges in UN Peacekeeping-Intelligence". Author of the first UN guidelines on Gender and Peacekeeping-intelligence, she is also co-author of the first United Nations Field Handbook on Joint Mission Analysis Centres (United Nations, 2018), she recently conducted fieldwork at the MINUSCA (Central African Republic), MINUSMA (Mali), MONUSCO (Democratic Republic of Congo), UNOCI (Côte d'Ivoire) and UNMISS (South Sudan). She is co-hosting the podcast "Conseils de sécurité" a co-production of the CDSN-RCDS and RAS-NSA.

Samu Paukkunen is the Head, Climate and Energy Security Section at NATO. Before the current position, Mr. Paukkunen was the Acting Director and the Deputy Director of the Finnish institute of international affairs. His area of expertise and research interests include the Arctic and the effects of geopolitical changes in the Arctic region, great power politics and foreign and security policy, climate and energy security. Mr. Paukkunen has comprehensive experience in working for the Finnish state organizations. He acted as an Advisor in the Ministry for Foreign Affairs of Finland, Senior analyst in strategic security analysis for the Finnish Defence Forces, Foreign and security policy expert for the Office of the President of the Republic of Finland and for the Finnish Parliament as the Secretary general in the International Parliament Cooperation organisation and as Counsellor for international affairs.

Linsey Cottrell is an Environmental Policy Officer at the Conflict and Environment Observatory. She is a Chartered Environmentalist qualified as a Specialist in Land Condition. She has 20+ years of experience of working in the environmental consultancy sector on a wide range of industrial, commercial and military sites. She has specific experience in environmental reviews as part of pre-acquisition/divestiture audits, contaminated land assessment and site investigation, sustainability appraisals, environmental risk assessment and environmental legislation compliance. She has a degree background in Chemistry, and MSc in Environmental Pollution and Control for the University of Leeds, as well as a Postgraduate Certificate in Environmental Management and Sustainability.

Lieutenant-Colonel David Burbridge has served as an Engineering Officer in the Canadian Army since 2000. From 2016-2020, he was posted to NATO's Supreme Headquarters Allied Powers Europe in Mons, Belgium as the lead staff officer for Environmental Protection & Energy Efficiency. He is currently the Deputy Commander of CF Real Property Operations Group within DND's Assistant Deputy Minister (Infrastructure & Environment). He received his MPA from Queen's University and his MSc in Environmental Science from the Royal Military College of Canada.

Mr. Lloyd Chubbs is currently employed as a Senior Environmental Assessment Officer at the Canadian Joint Operations Command. Mr. Chubbs served as a military officer for 32 years, during which time he was employed as an artillery officer from 1984 to 2000 and a Combat Engineer from 2000-2016. Following retirement from the Canadian military, Mr. Chubbs worked for seven years with the NATO Support and Procurement Agency. Mr. Chubbs has participated in five international missions in ex-Yugoslavia (92-93), Haiti (1997 and 2004), Palestine (2009-2010) and Afghanistan (2011). He has supported environmental and energy projects in several Canadian and NATO mission areas. Mr. Chubbs has more than fifteen years working in the field of environmental management in support of military activities. From 2010-2014, Mr. Chubbs was the Environmental Advisor for Canadian domestic and international operations at the Canadian Operational Support Command and the Canadian Joint Operations Command. From 2014-2016, he was employed as SHAPE Staff Officer Environmental Management in Mons, Belgium. Mr. Chubbs has participated on several NATO Science for Peace and Security Projects and was the Canadian delegate to the NATO Environmental Protection Working Group from 2010-2014. Mr. Chubbs was the chair of the NATO Environmental Protection Working Group from 2014-2016 and the Allied Command Operations Environmental Protection and Energy Efficiency Working Group for the same period. Mr. Chubbs holds a Bachelor of Science Degree in Geology, a Bachelor of Arts Degree in History and a Masters in Environmental Engineering. He is presently completing his PhD studies at Erasmus University Rotterdam.

Panel 5 :

Military and Policy Challenges

Speaker biographies

Bruno Charbonneau (PhD Queen's University) is Professor and Director of the Centre on Security and Crisis Governance (CRITIC) at the Royal Military College Saint-Jean. He is the founder and Director of the Centre FrancoPaix en résolution des conflits et missions de paix of the Raoul-Dandurand Chair at the Université du Québec à Montréal. He is a Deputy Editor of the Canadian Military Journal. His work focuses on international interventions in armed conflicts. In particular, he studies the regional and international dynamics of conflict management and resolution in Francophone West Africa. He is currently developing a NATO-supported project on climate security and the effects of the climate crisis on conflicts and interventions. His research has been funded by the Social Sciences and Humanities Research Council of Canada, the Organisation internationale de la Francophonie, and Global Affairs Canada, among others. He has collaborated with various agencies of the Canadian, US and French governments, the UN, the EU, the G5 Sahel and the OIF.

Dr. Dhanasree Jayaram is an Assistant Professor, Department of Geopolitics and International Relations, and Co-coordinator, Centre for Climate Studies, Manipal Academy of Higher Education (MAHE), India. She is also a Research Fellow, Earth System Governance Alliance; Member, Climate Security Expert Network; Research Fellow, Centre for Public Policy Research (India); Non-resident Fellow, Finnish Institute of International Affairs; Visiting Fellow, Institute of Peace and Conflict Studies (India); and Associate, Network for Education and Research on Peace and Sustainability (Hiroshima University). She was a Research Fellow at Centre Marc Bloch and Guest Researcher at Freie Universität, Berlin – under the Alexander von Humboldt Foundation's International Climate Protection Fellowship in 2022-2023. She pursued a visiting fellowship (Erasmus Mundus) at Leiden University, the Netherlands in 2014-15; and a postdoctoral fellowship at University of Lausanne, Switzerland, under the Swiss Government Excellence Scholarship in 2018-19. Dhanasree's areas of research include environmental and climate security; climate diplomacy; environmental geopolitics in Southern Asia, Indo-Pacific, and polar regions; gender and climate governance; and geopolitical/security implications of solar geoengineering. She is the author of *Breaking out of the Green House: Indian Leadership in Times of Environmental Change* (2012) and *Climate Diplomacy and Emerging Economies: India as a Case Study* (2021).

Allison Brown leads the climate security effort for the Army Climate Directorate. Working in the office of Installations, Energy, and Environment, Dr. Brown supports climate efforts including integration, literacy, and wargaming. She engages in coordinated activities ranging from intraoffice to interagency and international to embed and expand the awareness of 2nd and 3rd order climate and environmental impacts to military and cooperative efforts. She supports the Army Climate Directorate from her position as Climate Security Policy Advisor at the Pacific Northwest National Laboratory. Her background includes policy work from her position at the United States Agency for International Development (USAID) and rigorous science (chemistry and physics) associated with solar energy conversion from her PhD (Michigan State University) and Postdoctoral (Uppsala University) research.

Simon Dalby is a Professor Emeritus at Wilfrid Laurier University, a Fellow at the Balsillie School of International Affairs, Senior Fellow at the Centre for International Governance Innovation, and a Senior Research Fellow at the Centre for Global Studies at the University of Victoria. From 2012 to 2018, he held the CIGI Chair in the Political Economy of Climate Change at the Balsillie School of International Affairs. He co-edited *Reframing Climate Change* (Routledge 2016) and *Achieving the Sustainable Development Goals* (Routledge 2019), and authored *Anthropocene Geopolitics* (University of Ottawa Press 2020), *Rethinking Environmental Security* (Edward Elgar 2022) and *Pyromania: Fire and Geopolitics in a Climate Disrupted World* (Agenda 2024).

Sarah-Myriam Martin-Brûlé is Full Professor at Bishop's University and Non-Resident Fellow at the International Peace Institute, New York. She is the Deputy Director of the *Centre FrancoPaix*. In 2018–2019, she was the Canada Fulbright Research Chair for Peace and War Studies. In 2021, she was awarded the 3M National Teaching Fellowship. She is an associate faculty member of the Center for International Peace and Security Studies (CIPSS) and of the Montreal Center for International Studies (CERIUM). Her research focuses on peacekeeping-intelligence, peace operations and security issues related to intra-state wars. Her most recent publications include "Competing for Trust: Challenges in UN Peacekeeping-Intelligence". Author of the first UN guidelines on Gender and Peacekeeping-intelligence, she is also co-author of the first United Nations Field Handbook on Joint Mission Analysis Centres (United Nations, 2018), she recently conducted fieldwork at the MINUSCA (Central African Republic), MINUSMA (Mali), MONUSCO (Democratic Republic of Congo), UNOCI (Côte d'Ivoire) and UNMISS (South Sudan). She is co-hosting the podcast "Conseils de sécurité" a co-production of the CDSN-RCDS and RAS-NSA.

Panel 6 :

Regional Dynamics of the Climate Crisis

Speaker biographies

Nicolas Hubert is a postdoctoral fellow in the Raoul Dandurand Chair in strategic and diplomatic studies at the Université du Québec à Montréal. He works on issues relating to the environment–conflict nexus, natural resource management, peacebuilding, development, and peace and security. His research questions link between environmental degradation and conflict propagation in Burkina Faso, Benin, Togo, and Ivory Coast. Nicolas Hubert is also editor-in-chief of *Vertigo – La revue électronique en sciences de l’environnement*.

Dr. Ulrich Seidenberger is Deputy Director of the Climate Change and Security Centre of Excellence, based in Montréal. He has been appointed by the German Federal President as German Ambassador for the Nexus on Climate Change and Security for his interaction with International Organizations and conferences. Dr. Seidenberger has been serving in the German Diplomatic Service for 32 years. In previous assignments he served as German Ambassador and Permanent Representative of Germany to the UN Organizations based in Rome (WFP, FAO, IFAD) from 2018 to 2022. He was elected President of the Executive Board of the World Food Programme in 2020. He also served as Ambassador and Deputy Permanent Representative of Germany to the United Nations and other international organizations in Geneva from 2015 to 2018. Dr. Seidenberger was then elected Chairperson of the Governing Body of the International Labour Organization (ILO) 2016 for one year. Other previous assignments comprised a term as a political Counsellor for the U.N. Security Council at the Permanent Mission of Germany to the United Nations in New York from 2002 to 2005, as well as bilateral postings to Jamaica, Romania and Finland. Before entering the German Foreign Service, he trained as a lawyer at the universities in Munich, Lausanne/Switzerland and Würzburg, where he was awarded his ph.D. (Dr. juris utriusque).

Dr. Gabrielle Daoust is an Assistant Professor in the Department of Global and International Studies at the University of Northern British Columbia. Her areas of research include a focus on the relationships between environmental and climate change, water, and (in)security, and approaches to and experiences of humanitarian and ‘development’ intervention, with a particular focus on the Lake Chad region. Her current work explores ‘everyday’ understandings and experiences of, and responses to, conflict and climate-related insecurities. Recent publications on climate and security include *Divided Environments: A Political Ecology of Water, Climate Change and (In)Security* coauthored with Jan Selby and Clemens Hoffmann (Cambridge University Press, 2022) and ‘Understanding the politics of climate security policy discourse: the case of the Lake Chad Basin’ with Jan Selby (*Geopolitics*, 2023), as well as research and policy reports for the UK’s Foreign, Commonwealth and Development Office, UNICEF, and the British Red Cross.

Dr. Neda Zawahri studies environmental politics, environmental security, and international relations in the Middle East and South Asia. Her current research agenda focuses on 1) adapting to climate change in the Middle East; 2) the role of institutions in governing transboundary water resources at the global and regional levels; 3) water, food, and energy security in conflict-affected areas; and 4) the domestic politics of water management in the Middle East. Over the past 20 years, Dr. Zawahri has conducted extensive field research in the Middle East and South Asia and published many articles and book chapters. She is currently on the editorial board

of Environment and Security. Dr. Zawahri is editor of a forthcoming book: *The Role of Formal and Informal Institutions in Managing Transboundary Basins* (Forthcoming, World Scientific). She has co-edited special issues in *International Studies Quarterly*, *International Environmental Agreements*, and *International Negotiation*.

Ayesha Siddiqi is Associate Professor in Human Geography at the University of Cambridge. She is a postcolonial geographer whose research examines how disaster risks are produced and lived on the margins of the postcolony. Prior to joining the University of Cambridge in January 2020, Ayesha was based at the Department of Geography at Royal Holloway University of London. She has an interdisciplinary background and has done considerable work on the interface of academia and policy, most recently for the UK's Houses of Parliament. Ayesha's research uses hazard-based disasters, floods, typhoons, landslides to interrogate political relations and power dynamics on the margins of the postcolonial state.

Since February 2024, Anselm Vogler is PhD Fellow at IFSH and Research Fellow at the Department of Geography at the Hebrew University of Jerusalem. His dissertation on national climate security policies is currently under review. Previously, he was research associate at IFSH and worked in the DFG cluster of excellency Climate, Climatic Change, and Society (CLICCS) at University Hamburg. Anselm Vogler studied political science in Dresden and New York. He won the Viktor Klemperer Medal for distinguished academic success and was awarded by the Beijing-Humboldt Forum. Anselm Vogler works on environmental peace and conflict research. His works were published in journals such as *International Studies Review*, *Political Geography*, *Journal of Global Security Studies*, and *Democratization*. Within his cumulative dissertation, Anselm Vogler analyzed the reactions of various national-level security policy actors to climate change. To this end, he analyzed climate change framings in numerous national security strategies. Moreover, he published a literature review on ecologically relevant military activities. He is also guest editor of a currently published special issue titled "From Climate Conflicts to Environmental Peacebuilding." Currently, he is researching the relevance of water for conflict and cooperation within the Middle East.

Panel 7 :

Civil-Military Cooperation in Climate-Related Emergencies (CASA)

Speaker biographies

Dr Tom Deligiannis is a Lecturer in the Department of Global Studies at Wilfrid Laurier University in Waterloo, Ontario where his specialty is qualitative research on environmental change and violent conflict. Tom received his PhD from the Department of Political Science, University of Toronto. He has an MA in International Relations History from the University of Toronto, and a BA in History/Political Studies from the University of Guelph. Since 2010, he has taught in the Global Studies program at Wilfrid Laurier University and the Peace Studies Program at McMaster University, Hamilton. Between 2008 to 2017, he was also a part-time faculty member in the Department of Political Science at Western University. From 2005-2007, he was resident assistant professor at the UN mandated University for Peace in Costa Rica, in the Department of Environment, Peace and Security. In 2006-07, he was the project director of UPEACE's Climate Change and Adaptation project. Between 2008 to 2010, he was an adjunct professor at UPEACE. He is also a fellow of the Institute for Environmental Security in The Hague, a member of the Environmental Peacebuilding Academy, a member of the Global Military Advisory Council on Climate Change, and Vice-President of the Climate Security Association of Canada. From 2022, he is the book review editor of the new Sage journal, *Environment and Security*.

Alexandrine Bisailon holds a Bachelor's degree in Urban Planning as well as a Master's degree in Environment and Sustainable Development from the Université de Montréal. She collaborated on various research projects on natural risk management and adaptation to climate change, notably with the Université de Montréal's Faculty of Planning and the Oeuvre Durable Observatory. Alexandrine joined the Ouranos team in 2016 as a specialist in risk management and resilience where she collaborated on the development of tools to support adaptation in the municipal environment. Since 2018, she has been coordinating Ouranos' support to the governmental *INFO-Crue* project which intends to integrated climate change in flood mapping for Quebec rivers and more recently coordinating the adaptation research program on extreme events. She works with a multitude of stakeholders from science to practice in order to develop knowledge that will allow society to be more resilient regarding of extreme climate events.

Jessica Olcott Yllemo is the Director, Climate Security Programs at the American Security Project and has worked across the U.S. interagency and internationally for more than 15 years. She is a subject matter expert in climate security, international disaster response/emergency preparedness, and security cooperation programs, and also serves as a Senior Advisor at the Center for Naval Analyses. She was a 2016-2017 Fulbright Public Policy Fellow at the Ministry of the Kosovo Security Forces in Pristina, Kosovo, and regularly publishes on climate security issues.

Ashley McIlvain Moran is a research scientist and lecturer in the University of Texas at Austin's Department of Government and research director for the Comparative Constitutions Project. She co-directs UT's Embedded Scholars program and is co-PI on a U.S. National Science Foundation-funded project on Concept Integration in Comparative Law. She is a distinguished scholar at UT's Robert Strauss Center for International Security and Law where she directed the Center's state fragility initiative, led its interdisciplinary research programs on

climate and fragility risks funded by the U.S. Defense Department and USAID Office of Conflict Management and Mitigation, and taught on fragile states at the LBJ School of Public Affairs. She previously worked overseas as parliamentary advisor in Georgia for the National Democratic Institute for International Affairs (NDI), ran democratic reform programs and trainings in Azerbaijan and Iraq for NDI, and designed rule of law programs in Kyrgyzstan for the Organization for Security and Co-operation in Europe (OSCE). Her current research and teaching focus on constitutional development in divided societies, court elaboration of new constitutions, state identity and legitimacy, and conflict risks to democracy. She is currently a member of the Global Military Advisory Council on Climate Change (GMACCC), a board member for the Armed Conflict Location and Event Data Project (ACLED), and a member of NDI's Democracy Assistance in Transition working group. She received a MALD in comparative law and development economics from the Fletcher School of Law and Diplomacy and a PhD in government from UT.

Lieutenant Colonel Vincent Virk joined the Canadian Armed Forces (Army) Primary Reserves in 2001 as an Armoured Reconnaissance Officer. He has held various positions throughout his service and is currently the Commanding Officer of the British Columbia Regiment (Duke of Connaught's Own) which is an Armoured Cavalry and CIMIC Regiment in Vancouver, BC. He has supported domestic operations on three occasions, as the Domestic Response Company Commander with Operation LENTUS (2018) in the fight against the BC Wildfires, with Operation LASER (2020) as part of CAF pandemic response plan and most recently in 2023 as the Op LENTUS 23-08 Land Task Force Commander for wildfire fighting efforts in BC. He attended the University of British Columbia and completed over 20 courses and qualifications through the Canadian Armed Forces such as the Information Operations Course at the Peace Support Training Center and the Joint Command and Staff Programme (Advance Joint Warfare Stream) with the Canadian Armed Forces College. In 2013 he was awarded the Queens Diamond Jubilee medal for his efforts in recruitment diversity. When not in uniform he is President of the Pallas Group of Companies, which focuses on vertically integrated hospitality businesses including conception, acquisition, development, and operations. As an avid industry advocate, he has formerly held the roles with the Intercontinental Hotel Group Owners Association as Chair of the Canada Region and Vice-Chair for the Americas Region. In 2021 he was inducted as a Fellow of the Royal Canadian Geographic Society.

Libbey Dresser is a current graduate student in the International Public Policy program at the Balsillie School of International Affairs. She graduated with Honours in the International Bachelor of Arts program in Political Science from Glendon College – York University in 2020. Following her undergraduate degree, Libbey obtained a Bachelor of Education degree from Nipissing University in 2022 where she developed a passion for children's education and education policy.

Rebecca Lloyd is a current Master's student at the Balsillie School of International Affairs through the University of Waterloo. Originally from the UK, she relocated to Canada in 2012 and graduated from Carleton University with an Honours in Bachelor of Global and International Studies with a major in Global Politics in 2023. Rebecca has a passion for migration, international relations and security issues.