

NAADSN 2019-2022





TABLE OF CONTENTS

3-4	LETTER FROM NETWORK LEAD
5-6	ABOUT NAADSN
7-8	NAADSN'S REACH
9-12	RESEARCH
13-18	EMERGING LEADERS
19-22	SHARING INSIGHTS AND EXPERT COMMENTARY
23-30	EVENTS AND SPEAKER SERIES
31-34	PARTNERSHIPS
35-40	NAADSN MEMBERSHIP



When we established the North American and Arctic Defence and Security Network (NAADSN) in 2019, we saw an opportunity to expand an existing network of diverse experts at various stages of their careers and facilitate more in-depth, policy-relevant research and dialogue on Arctic and continental defence and security issues. As this report attests, we have enthusiastically sought to address three core policy challenges – the Defence role in the Arctic, NORAD modernization and the future of North American defence, and the evolving role of major powers in global strategic competition – and their many intersection points.

We are honoured to have network members and partners across Canada and around the circumpolar world. Over the last three years, our network grew to comprise 95 individuals from diverse backgrounds, and we prioritized the inclusion of emerging/young voices. We benefited greatly from the research contributions of our senior undergraduate, graduate, post-graduate, and postdoctoral fellows working on wide range of North American and Arctic defence and security topics. They were actively engaged as rap-

porteurs, researchers, event coordinators, and ambassadors for our network at workshops and conferences.

When COVID constraints affected our original plans, NAADSN pivoted effectively to online initiatives, connecting with the Defence Team as well as students, academics, practitioners, collaborators, and international public audiences using virtual tools. Events that we organized and co-hosted were recorded and available freely on our website. We also worked with many international partners on events and research initiatives. Our members receive frequent invitations to contribute to the media and to participate in panels and deliver public lectures based on research funded and/or facilitated by NAADSN.

We are proud of the many public-facing research publications that we have released over the past three years, including the NAADSN Monograph Series (book-length), Engage Series (short books), Policy Primers, Policy Briefs, Special Reports, and Suggested Reading Lists. We also prided ourselves on being highly responsive to requests from the Department of National Defence/Canadian Armed Forces to provide specific research on priority subjects, and welcomed opportunities to support ongoing efforts to respond to dynamic global and regional security environments.

I am grateful to Dr. Shannon Nash, Mary Paquet, and Ryan Dean for their work in preparing this final report celebrating NAADSN's activities and contributions to public and policy discourse. We look forward to the next three years and ongoing collaboration rooted in the relationships that the Mobilizing Insights in National Defence and Security (MINDS) program has enabled us to foster.

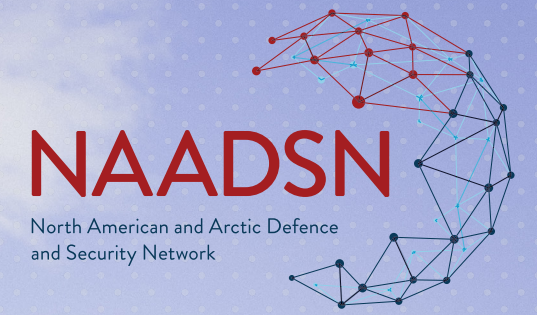
P. Whitney Lackenbauer, Ph.D.
NAADSN Network Lead
March 2022

"Norwich University's Peace and War Center has had the privilege of partnering with NAADSN over the past three years. As the oldest private military college in the United States, we commission officers into the Air Force, Army, Navy, Marines, and Space Force and our university community has benefitted from the expertise, research, and networks derived from our collaboration with NAADSN. Specifically, we worked together to develop and lead a North American Arctic Forum, a student engagement forum, that was comprised of workshops and presentations that featured Canadian and American academic experts, practitioners, and commanders."

Dr. W. Travis Morris
Associate Professor and Director, Norwich University Peace and War Center

"The Stevens Center appreciates the important role NAADSN provides to the North American Arctic Defense and Security practitioner community. As a long standing network member of NAADSN, ... I know first-hand the increase in Arctic awareness and collaboration that has resulted from NAADSN's endeavors."

Randy "Church" Kee, Maj Gen, USAF (Ret)
Senior Advisor, Arctic Security Affairs, Ted Stevens Center for Arctic Security Studies



ABOUT NAADSN

From 2019 to 2022 the North American and Arctic Defence and Security Network addressed three core policy challenges – the Defence role in the Arctic, NORAD modernization and the future of North American defence, and the evolving role of major powers in global strategic competition – and their many intersection points by:

- conducting leading-edge research with students, emerging scholars, and Northern stakeholders/rightsholders that tested core assumptions and prompts policy innovation
- convening conferences, workshops, and symposia that brought together diverse stakeholders on issues of core interest to the Defence Team
- educating the next generation of policy thinkers and analysts

Our network structure is deliberately elastic so that we can respond efficiently to emerging issues and mobilize small expert teams to present relevant and timely advice to the Defence Team.

NETWORK THEMES AND OBJECTIVES

NAADSN's structure is a series of relationships – of nodes and ties extending from coast to coast to coast within Canada, while also reaching outside of Canada's borders to security partners in the United States and Europe. The objective of the Network is to provide timely, relevant, and reliable expert advice on North American and Arctic defence and security topics and address three core policy challenges:

Defence Role in the Arctic

Pursuant to our first theme, we discerned, discussed, and debated what actionable steps DND/CAF should undertake to realize its policy priorities related to Arctic defence and security. We continue to critically analyze the security implications of climate change, international strategic drivers (such as evolving Russian and Chinese Arctic interests) and possible levers such as NATO, as well as opportunities for enhanced bilateral partnerships with allies like Norway. Our work on the defence of the North American Arctic focuses on partnerships with the United States/Alaska and the Kingdom of Denmark/Greenland, including enhanced opportunities for sharing best practices/lessons learned. By adopting a nuanced and multifaceted definition of security applicable in a domestic context, our team is committed to helping DND/CAF better plan and prepare for search and rescue, major transportation and environmental disasters, loss of essential services, and foreign intelligence gathering activities. Our work promotes system-wide, multifaceted solutions to complex security challenges, promoting improved Whole of Government coordination that facilitates rapid, coordinated responses, as well as comprehensive approaches that better leverage private sector and community-level capacity.

NORAD Modernization and the Future of North American Defence

Our second overarching theme in NAADSN's first iteration was the Defence of North America, with particular attentiveness to all-domain situational awareness and innovative options to address capability gaps (both identified and potential). NAADSN research on NORAD continues to critically analyze the command's current and future roles in light of renewed strategic competition, emerging technologies, and shifting US defence priorities. If Canada is to remain strong at home and secure in North America, analysis of new threat vectors must be matched by a concerted effort to educate Canadians and Americans about NORAD. Specific initiatives will examine the Evolution of North American Defense, the future of the North Warning System, and national missile defence, and our team will conduct the first GBA+ analysis of NORAD. Another major theme explored is emergency/disaster response (with particular emphasis on Canada-US collaboration), critical infrastructure resiliency, and comprehensive approaches to leverage private and Indigenous sector capacity.

The Evolving Role of Major Powers in Global Strategic Competition

Homeland defence is inextricably linked to changes in the global security environment. Because Arctic and North American defence cannot be isolated from global dynamics, NAADSN carefully monitors and analyzes the capabilities and intentions of revisionist powers (including their changing interpretations of international laws and norms), and suggest how Canada and its allies can best deter Russian and Chinese aggression, as well as that of North Korea and other rogue state and non-state actors.



RESEARCH

NAADSN produced findings across key and additional guiding questions of three policy challenges:

- the Defence in the Arctic
- NORAD modernization and the future of North American defence
- the evolving role of the major powers

NAADSN was highly responsive to requests from DND/CAF for specific research on priority subjects and we streamlined our various public-facing products into several categories, including the NAADSN Monograph Series (book-length), Engage Series (short books), Policy Primers, Policy Briefs, Special Reports, and Suggested Reading Lists which allowed us to regularly share new research on our website and our social media.

An excellent example of the breadth of NAADSN research was the completion of a Strategic Foresight Activity (SFA) on the future Arctic security environment. Initially undertaken in conjunction with Advancing Collaboration in Canada-U.S. Arctic Regional Security (ACCUSARS) – a workshop organized in collaboration with the Arctic Domain Awareness Center – the SFA applied NATO’s Strategic Foresight Analysis (SFA) 2017 Report framework, created to support NATO leadership’s visualization of the future security environment, to Canada’s Arctic security environment in its international, regional, and domestic contexts. The SFA helped to frame a conceptual model that anticipates and conveys an understanding of the future Arctic security environment. This was intended to assist the Defence Team in creating indicators of changing risk or threat levels. It is also designed to test the capabilities of NAADSN as a research network that can effectively and efficiently parcel out discrete work packages to small teams, consolidate findings, and produce timely, relevant results

to Defence Team stakeholders. The SFA provided insights across the spectrum of the MINDS Challenge Questions, extending beyond the core policy challenge of Defence in the Arctic.

NAADSN worked in close cooperation with NORAD on modernization efforts and what these mean for the future of North American defence. For example, collaborative work with Collins Aerospace and the Canadian Defence Associations Institute (CDAI) yielded a series of reports on Canada and United States military engagement with the Canadian defence industry to conceptualize NORAD modernization and Canada’s role therein. The first report on awareness and sensors was particularly relevant to Canadian industry given its achievements in the field of telecommunications. Additional reports covered possible NORAD defeat capabilities and the application of machine learning to animate the concept of Joint All Domain Command and Control (JADC2) underpinning the

renovation of all American geographic commands. These reports provided the foundation for an edited volume and informed additional research efforts into continental defence that sought to place these and other defence developments within the balance of the larger bilateral relationship between Canada and the United States.

NAADSN conducted extensive research on the evolving role of China and Russia in an era of strategic competition. Given China’s rise as a great power in a multipolar world and its self-identification as a “near Arctic” state, research interrogated Chinese discourse on the Arctic with deductions on countering pernicious Chinese actions in that region. Particular attention was paid to Chinese soft power and its legitimate and illegitimate application in world and Canadian politics. NAADSN research efforts also cast a wider net for China and the Arctic, interrogating China’s ambitions to establish a “polar silk road” of infrastructure across the region, and research cooperation between NAADSN and the Arctic Yearbook produced a volume on the implications of this for the Arctic states. NAADN efforts have promoted in-depth research rooted in diverse methodologies, ongoing discussion, and vigorous debate about China’s interests and actions in the Arctic and risks for Canada. By offering a roadmap to conceptualize key debates about China’s Arctic interests, the network aims to further research about how this self-declared “near Arctic state” situates itself and exercises influence in a region that Canada’s defence policy tidily describes as “an important international crossroads where issues of climate change, international trade, and global security meet.”

Similarly, NAADSN research on Russian strategic intentions and capabilities critically analyzed how that Arctic state sought to balance that state’s legitimate Arctic inter-

ests with its illegitimate international revisionism, aiming to help Canadian audiences reconcile these different levels of analysis. An English/Russian bilingual volume on Canadian and Russian Arctic interests in a changing world sought to inform Canadian audiences about Russian security intentions in the region – and Canadian perspectives for Russian audiences. Intense NAADSN research specific to Russia in the Arctic examined its policy approach to its Chairmanship of the now “paused” Arctic Council, as well as its framing of Arctic strategies in anticipation of it assuming that role in Spring 2021. Which of these policies are legitimate and what might be indicators of revisionism akin to Russian behaviour elsewhere in the world? Examinations of Russia in the international system focused on its strategic forces and possible Canadian responses ranging from deterrence, arms control, and cooperative security. All of this work has taken on heightened salience with Russia’s further invasion of Ukraine in February 2022 and its impacts on circumpolar cooperation and stability.

In summarizing the major threads of our network’s work, NAADSN lead Whitney Lackenbauer has developed “Threats In, To, and Through the Canadian Arctic: A Framework for Analysis,” which he has briefed to many Defence Team, parliamentary, and international audiences over the past year. This framework cuts across NAADSN’s three core policy challenges. Arctic security analysis based on empirical evidence has long been obfuscated by articles and reports built on embellished or opaque assumptions. In what is essentially a levels of analysis problem, these assumptions conflate regional interactions with international strategic drivers, leading to Arctic “myth-making.” Lackenbauer’s framework detangles this levels of analysis problem by encouraging analysts to parse threats in the Arctic, to the Arctic, and through the Arctic. This parsimo-



nious but powerful tool facilitates a more nuanced examination of the strategic relationship between the evolving role of the great powers and continental defence – the conflating of which lies at the heart of various myths about the Defence role in the Arctic – and how these levels of security interact.

Building upon Dr. Lackenbauer's close relationship with the Canadian Rangers, NAADSN has engaged with a diverse group of Northerners (Inuit, First Nations, Metis, and non-Indigenous people) to inform and shape how we conceptualize and understand Arctic defence and security issues. Our research agenda included specific projects on women in the Canadian Rangers, a local study of leadership dynamics in the Kugluktuk Ranger patrol, and how the Defence Team might engage with Indigenous organizations to plan and implement North American Defence modernization programs in the Canadian Arctic in ways that benefit Northerners. Over the last three years, NAADSN regularly liaised with the Canadian Rangers and Canadian Army, as well as Joint Task Force (North), on Northern community stakeholder engagement. Our work also highlighted and celebrated the diversity of the Canadian Rangers. Lackenbauer and Network Coordinator Peter Kikkert published a series of articles in 2021 that provide novel insights into how these Reservists fit within the evolving landscape of first responders in the Canadian North. Much of this work is rooted in information that Indigenous women and men have shared on best practices, alignments with community and Indigenous peoples' needs, and priorities for Northern capacity-building.

NAADSN has also embraced Gender Based Analysis Plus (GBA+) in its workflows. In one effort specifically dedicated to gender and intersectionality, NAADSN partnered with the Defence and Security Foresight Group and Women in International Security Canada to deliver a series of webinars addressing GBA+ research methodologies and their various intersections with policymaking, the Arctic, and detecting new and emerging security threats for Canadians writ large. NAADSN members who participated in these webinars later produced a GBA+ analysis of the network's research outputs. Additional discrete research in-

cluded a GBA+ analysis of Canada's Arctic and Northern Policy Framework, concluding that the Defence Team must prioritize the voices of Northern communities in any future policy development

NAADSN published books and reports in both English and French. For example, a monograph on the history and contemporary activities of the 2nd Canadian Ranger Patrol Group (2 CRPG), in Quebec researched and written in partnership with that unit, was published in both French and English versions. NAADSN also published a major discourse analysis of Canadian Arctic security in French. Another core bilingual effort, pursued through NAADSN's ongoing partnership with Centre interuniversitaire de recherche sur les relations internationales du Canada et du Québec (CIRRICQ) and the Observatoire de la politique et la sécurité de l'Arctique (OPSA), resulted in three OPSA Revues annuelle from 2019-21, each containing articles spanning a wide range of Arctic research from military procurement to human security to regional diplomacy.



EMERGING LEADERS



NAADSN worked with six postdoctoral fellows and over 45 graduate fellows from 2019-2022. We prioritized the inclusion of emerging/young voices, and we worked with senior undergraduate, graduate, post-graduate, and postdoctoral research fellows whose research has focused on wide range of North American and Arctic defence and security topics.

Our fellows worked closely with NAADSN mentors and subject matter experts to further refine research questions, focus the research, and produce publications related to the network mandate, including Policy Primers, Strategic Perspectives, Policy Briefs, Quick Impacts, and Annotated Bibliographies for practitioner audiences. NAADSN-supported students and postdoctoral fellows focused on MINDS policy challenge questions to frame their research and their work spans NAADSN's core themes (and their many intersection points): Arctic security, major power competition and North American defence, NORAD modernization and the future of North American defence, Canada as a maritime nation, climate change implications for defence and security, disaster and pandemic response, Canada-US relations and the defence of North America, Indigenous Peoples' and Northerners Perspectives, and emerging technologies, disinformation, and the "gray zone". Extensive student research outputs and event reflections can be found here and on our newly-formed Emerging Leaders Node proposed and launched by graduate research fellows Nicole Covey and Cheryl Mitchell in March 2022 with a role in NAADSN's next iteration of student outreach.

In addition, students, postdoctoral fellows, and other new/young voices represented NAADSN at workshops and conferences, and were actively engaged as rapporteurs, researchers, event coordinators, and ambassadors for our network. NAADSN supported and cohosted events that focused on young voices/student participants and learning, including the Young Northern Leaders' Summit on Climate Change. The network prioritized student/emerging scholar involvement in the planning and implementation of all of our signature initiatives.

JULY 2020

STUDENT SUMMER SEMINAR

The NAADSN Student Summer Seminar North American and Arctic Defence, Security, and Resilience was held online in July 2020. This two-day seminar provided training and professional development for undergraduate and graduate students from across Canada on the defence of North America; Arctic defence, security, and resilience; and trends in great power competition. The seminar was an opportunity to share research, iterate on ideas, and establish new connections. Both days featured guest speaker presentations with ample time for student questions. Keynote speakers included Dr. P. Whitney Lackenbauer, Dr. Andrea Charron, Mr. Ehren Edwards, Dr. Stephanie Carvin, and Dr. Wilfrid Greaves. On the first day we used breakout rooms to discuss student policy-oriented research on North American and Arctic defence and security challenges. On the second day we used breakout rooms to imagine possible futures in a scenario exercise. We concluded each day by coming together to discuss the broader "so what" of our research. The participants included our RAs, additional student guests, NAADSN members, NAADSN post-docs, and representatives from MINDS.

MARCH 2021

NORTH AMERICAN ARCTIC FORUM

NAADSN had the opportunity to engage with students from Norwich University Peace and War Center, the Royal Military College, and the Collège militaire royal de Saint-Jean for the North American Arctic Forum in March 2021. This event invited students from across these military colleges to participate and collaborate in an international forum over two days. The event featured keynote addresses by Lieutenant-General Alain Pelletier, Deputy Commander of NORAD and Lieutenant-General David Krumm, Commander, Alaskan Command. Subject matter experts provided presentations focused on strategic challenges facing the North American Arctic and challenges and opportunities in the operating environment. The students and participants also attended two ACCUSARS II panels on Arctic residents of Alaska and Western Canada and maritime operations and environmental change. NAADSN Graduate Fellows presented their own research on North American Arctic defence and security and led breakout rooms on the themes of environmental, political, security, economic, cooperative, and conflict. The military college students also participated in Arctic simulation exercises both days of the forum. This event featured outstanding collaboration between the partners involved and the students engaged in the exercises.

JULY 2021

STUDENT SUMMER SEMINAR

In July 2021, NAADSN hosted its second annual Student Summer Seminar. The theme of the event was Modernizing North American Defence: Enhancing Cooperation in an Era of Strategic Competition. Over two days, through breakout room discussions and keynote addresses with ample time for questions and answers, we focused on four main themes – Canada's alliances and continental defence, Arctic security, NORAD modernization and continental defence, and Canada-US relations and the future of North American defence. Our breakout rooms were divided by these themes (two per day) and included an opportunity for students to share their research, iterate on ideas, and establish new connections. The rooms were facilitated by NAADSN coordinators/members/partners. The moderators used policy challenge questions to guide the discussion, such as what are the implications of climate change on Canadian sovereignty and security in the Arctic? What are your assessments of the most critical threats to Canadian security? What are the implications for Canada of the increasingly complex threat to North America? Dr. Rob Huebert and Dr. Iris Ferguson delivered keynote addresses. We also included time for networking where students could virtually connect with their colleagues and NAADSN mentors.

STUDENT TESTIMONIALS

TESTIMONIALS TITLE



JILL BARCLAY

During my time as the Policy and Research Coordinator at NAADSN, I had the opportunity to shape my role within the network and explore ideas that were interesting and exciting to me. Whitney and Shannon fostered an environment where I was able to thrive. I learned new skills and information daily, all while collaborating with academics, policymakers, stakeholders, and fellow emerging scholars. Without NAADSN, I would not have been able to start my career in the public service at the intermediate level that I did. I am forever grateful for the opportunities I had at NAADSN and for the endless support and encouragement of Whitney and Shannon.

JUSTIN BARNES

Joining NAADSN as a Graduate Fellow in March 2020 launched what has been one of the most stimulating experiences I have had in my academic career so far. Having the opportunity to jump into projects and engage with some of the top experts in Canada and around the world on Arctic issues of importance to Canada and its allies has been invaluable to me, especially as an early career researcher. NAADSN has created an exceptionally supportive and energetic environment where I have been able to directly apply my knowledge and experiences in an impactful way, but also to continue learning and growing my skillsets during the seemingly countless interactive student workshops, expert seminars, and high-level events that NAADSN has hosted despite the many challenges presented by the pandemic. NAADSN's broad and impressive network, as well as its flexibility, has created unique opportunities for me to meaningfully contribute to a wide variety of projects while also working towards my PhD. Not only have these opportunities positively shaped my PhD research, but my involvement with NAADSN has helped to expand my knowledge about the wider security issues that Canada and the world faces in the Arctic. I am very grateful for the experiences NAADSN has provided, and I cannot speak highly enough about the positive impact that NAADSN and its encouraging mentors have had on me so far. I'm looking forward to continuing to learn from and contribute to the NAADSN team!



DR. MATHIEU LANDRIAULT

I was a postdoctoral fellow with the network in 2020. This position allowed me to produce policy-relevant analyses and to present my findings in different venues. It also opened opportunities to network and exchange with Arctic experts, stimulating new insights and projects. Now, as a network coordinator, I am better equipped to put in practice collaborative endeavors and in turn, support doctoral candidates as they advance their research.



CHRISTINA BOUCHARD



It has been my great pleasure to work with Dr. Whitney Lackenbauer and Dr. Shannon Nash on the policy challenge question: “What should be considered critical Arctic infrastructure in the context of continental defence?”. Throughout the development of policy primers, quick impacts, reports, and presentations the NAADSN network has afforded opportunities for timely peer review by both established experts and emerging researchers. The policy challenge question format has provided intellectual and academic freedom, while providing sufficient focus and direction for meaningful, targeted research. It is my experience that NAADSN exemplifies an important, and needed bridge between academic research activities and real-world, real-time policy development. NAADSN’s participation in the Arctic Security Working Group (ASWG) provided opportunities to share fresh insights, while connecting with the pressures and opportunities of practitioners. The development of research which has looked across multiple federal silos, the activities of territorial and local governments, and activities of private sector actors has helped ensure a more complete situational awareness of national-level planning, logistics and regulatory efforts. I am happy to endorse NAADSN as a security and defence research organization which conscientiously takes a “whole of government” and “whole of society” approach to appropriately address northern issues of infrastructure prioritization, infrastructure provision, safety, and security.

NICHOLAS GLESBY

In November 2019, I was invited to join NAADSN as I was completing my undergraduate degree with Dr. Andrea Charron at the University of Manitoba. As I completed that program and moved into graduate studies, NAADSN has allowed for many opportunities that have allowed me to gain advantages amongst my peers. These include professional networking, conferences and webinars, and research. NAADSN’s wide variety of Research Themes enable students to think critically and understand these topics beyond what the classroom provides.



In relation to my research interest of NORAD and the Permanent Joint Board on Defense, the topics of NORAD Modernization and the Future of North American Defence and Canada-US Relations and the Defence of North America have contributed to my understanding of literature and engagement with it, ability to think broadly and critically about these themes, and piqued my interest on issues pertaining to Arctic Security. For students, the NAADSN Research Themes represent a go-to place for supplemental readings and ideas that they may be learning about in the classroom. As a Graduate Fellow, being able to interact with the experts in these fields that belong to NAADSN is invaluable to my own academic development.

Furthermore, working with NAADSN mentors is a wonderful experience: everyone I have met throughout the network has been compassionate, engaging, and willing to help students foster their research, writing, and thinking skills. I have very much enjoyed my time learning and growing with NAADSN and am equally excited for what the future will bring!

BIANCA ROMAGNOLI



Since beginning my position as a research fellow with NAADSN in 2020, I have had the opportunity to take part in insightful workshops and field research which have been invaluable to the development of my dissertation. Working closely with Dr. Whitney Lackenbauer, I have been able to partake in online and in-person workshops and work collaboratively on various research projects. Because the themes of NAADSN are so closely linked to my own research interest, it has allowed me to work within my own field, but from a variety of disciplines and perspectives. These conversations have helped guide my research and thinking. NAADSN has provided me a platform through the NAADSN Ideas Series to share my ideas and discuss my research with some of the greatest minds in the field. Furthermore, being part of the NAADSN community allows me to be in conversation with other graduate fellows. This collaboration allows me to see what research is being done within the field. Because the graduate fellows all work within the NAADSN research themes, it means working alongside the future generation of researchers in my field.

Finally, working as a graduate fellow for NAADSN has allowed me immense research opportunities. Supported by NAADSN to work alone, or with Dr. Lackenbauer, I’ve been able to travel extensively to conduct research and collect data which has been the foundation of my dissertation research and supplementary research projects. With this support I have been able to travel to communities across iCRPG to conduct interviews and participate observation with Rangers to understand how they understand their role in arctic sovereignty. Working alongside the members at iCRPG, my research examines how traditional Indigenous skills/knowledge get intertwined with military practice throughout the north. Thinking through questions of militarization, humanitarianism, politicization, and bureaucratization, my research examines how the Canadian Rangers have become a principal apparatus to satisfy arctic frontier ambitions.

DR. NANCY TEEPLE

The North American and Arctic Defence and Security Network (NAADSN) postdoctoral fellowship was one of the most valuable and enriching experiences I have had in my academic and practitioner career. As a DND MINDS network, I continue to see NAADSN’s contribution to the creation and nurturing of relationships between experts from academia and government, promoting exposure to new perspectives and research methodologies. NAADSN fosters the next generation of defence and security experts through mentorship from its leads, publication and conference opportunities, and collaboration with experts within and outside the network. NAADSN leadership and advice, particularly Dr. Whitney Lackenbauer and Dr. Andrea Charron, contributed to the refinement of my writing and analytical skills, preparing me for a career as an analyst with the Canadian government.



SHARING INSIGHTS AND EXPERT COMMENTARY

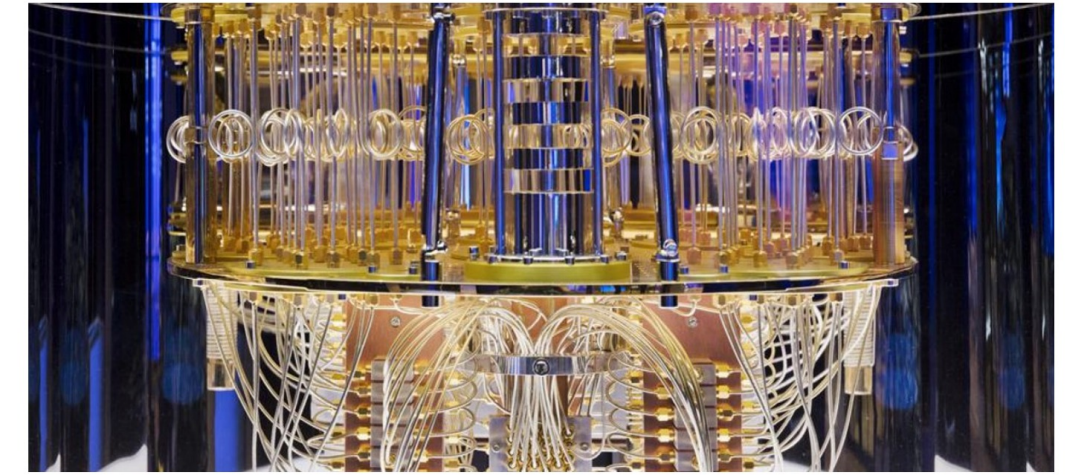
NAADSN members shared their insights and expert advice on myriad North American and Arctic defence and security topics with diverse audiences. Our experts were regularly featured in Canadian and international news outlets including the CBC, The Economist, The Hill Times, the BBC, the Ottawa Citizen, The News Forum, Eurasia Daily Monitor, War on the Rocks, Global News, Arctic Today, CTV News, National Post, L'Aquilon, Nunatsiq News, Radio Canada International, Eye on the Arctic, Bloomberg, The Walrus, and iPolitics.

In addition, NAADSN members contributed commentary to think tanks, policy publications, and podcasts including the Canadian Global Affairs Institute and its Podcast Network, The Polar Journal, CDA Institute, the Arctic Institute (including its Bookshelf Podcast), Modern War Institute, Centre for International Maritime Security, Institute on Governance, Policy Options, Foreign Policy, the Wilson Center's Canada Institute, and the Battle Rhythm Podcast.

Since the beginning of 2020 NAADSN has produced 32 Quick Impact Reports, which are NAADSN outputs with short, topical commentary from our members. In these reports experts and fellows have discussed a range of topics and the impact of security and defence issues including Russian international aggression and the Arctic, Arctic diplomacy and war in Europe, military emissions reporting, Arctic security in an era of strategic competition, the Canadian Rangers' maritime role, the Nuclear Ban Treaty, positioning Russia in the Circumpolar Arctic, the U.S. Navy's Arctic blueprint, Arctic drones, critical infrastructure in Canada's Arctic, terrorist entity listings, Arctic collective security, the Canadian Army in a changing North American defence and security environment, the Canadian Rangers and far-right extremism, the Permanent Joint Board on Defence (PJBD), American polar icebreakers, emerging technologies in Canada, Chinese submarines, public opinion and defence spending, deterrence, Russian military exercises, and NATO. Our Quick Impact webpage includes a broad aggregate of these opinion pieces and media commentary by NAADSN members on North American and Arctic defence and security topics.



How Canada Can Prepare for the Quantum Threat



OTTAWA CITIZEN

Opinion / Columnists

Kikkert: To cope with natural disasters, we need a Canadian Resilience Corps

The armed forces have done important work during the B.C. flooding and other emergencies. But it's time to create a permanent non-military response force.

Peter Kikkert

Nov 25, 2021 • November 25, 2021 • 3 minute read • [Join the conversation](#)



NAADSN experts were highly sought after for commentary and reflections in response to international events and crises – including in the winter of 2022 as Canadians sought to understand the implications of the Russian invasion of Ukraine for North American defence and security.

Dr. Andrew Bresnahan, Dr. Lackenbauer, and Bridget Laroque quickly compiled key sources of international Arctic responses to the further Russian invasion of Ukraine, and NAADSN pivoted with core partners in early March to convene a closed Arctic Academic session during the rapidly changing situation to engage with select participants who provided authoritative perspectives on the Arctic Council pause, possible Arctic strategic messaging pursuant to the pause, and the Russian invasion of Ukraine. This event provided a rapid, initial assessment of how the developments might impact regional governance. NAADSN published a summary report on our website which included these expert perspectives. Network members also provided their insights to media outlets for dozens of reports in early 2022, many of which are available here, as well as various NAADSN Quick Impact reports on: Arctic diplomacy and war in Europe, Conceptualizing Arctic Security in an Era of Strategic Competition: A Canadian Perspective, and Russian International Aggression and the Arctic: Why Strong, Secure, Engaged Remains Relevant. Six NAADSN experts testified before the Standing Senate Committee on National Security and Defence in March 2022 to examine and report on issues relating to security and defence in the Arctic. We compiled their opening comments into a Quick Impact report on Framing Arctic Security with the full transcript available through the Senate of Canada website.

In addition, NAADSN consistently sought to bolster Canadians' understanding of specific topics related to our mandate. For example, we worked to strengthen Canadians' understanding of China's information and influence activities with a focus on the Arctic (domestic and international). Initial research products benchmark Chinese state-controlled media activity in the information domain (Policy Primer: Chinese State Media English Language Discourse in the Arctic Region since 2016, and Policy Brief: Sputnik's Coverage of Trump's Declaration Over the Purchase of Greenland). Network members have also offered detailed, evidence-based analysis of how China

NATIONAL POST

NP Comment

Rob Huebert: Did Chrystia Freeland just commit Canada to Russian regime change?

The Deputy Prime Minister said Vladimir Putin must be 'vanquished.' Did she mean it or was it empty rhetoric?

Rob Huebert, Special to National Post
Apr 13, 2022 • April 13, 2022 • 4 minute read • 227 Comments



As more nations eye the Arctic as a strategic resource, what is the U.S. military's plan? | Alaska Insight

By Lori Townsend, Alaska Public Media - November 12, 2021



has sought to legitimize its Arctic “presence” over the last decade through systematic scrutiny of English and Chinese language media outlets, Chinese scientific publications, hosting and participation in conferences (track two diplomacy), and CHINARE Arctic expeditions. The focus of our Arctic Academic eTalks on Chinese information and influence operations in September 2021 featured Dr. Camilla T.N. Sørensen and Dr. Marc Lanteigne, which fostered expert discussion on trends and assumptions, including closed sessions on how China may seek to shape the information environment and its effectiveness to date in messaging Arctic strategic narratives. These exchanges have also yielded important insights on how other states and civil society actors are responding to disinformation operations targeting Western governments and populations. Additional research findings contemplated the (Potential) Sino-Russian Maritime Partnership: Impacts on the Arctic Region and anticipated effects on Canada from intensifying US-China rivalry and NATO-Russia tensions.

NAADSN organized, co-hosted, and actively participated in collaborative in-person and virtual events and speakers' series that were well attended and received by members of the Defence Team, as well as students, academics, practitioners, collaborators, and international public audiences. We ensured that many of the events that we hosted were recorded and available freely on our website. Our members also receive frequent invitations to participate in panels and deliver public lectures based on research funded and/or facilitated by NAADSN.

Network members published hundreds of products on North American and Arctic defence and security publicly available on our public-facing website and promoted through our social media channels. Through these publications, events, partnerships, student activities, and media engagements, NAADSN reached an international audience and contributed to Canadians' understanding of issues both broad and specific concerning the Network's core themes and their many intersection points.

EVENTS & SPEAKER SERIES

NAADSN has hosted and partnered to co-present various conferences, workshops, and symposia that brought together diverse stakeholders on North American and Arctic defence and security policy challenges. With COVID-19 forcing a pivot online in March 2020, the network successfully fostered new initiatives and activities that engaged network members and promoted international collaboration with other networks, programs, and partners. NAADSN events have hosted over 2,000 attendees and videos available on our website have garnered additional views and interest.



ARCTIC SECURITY WEBINAR SERIES

In February 2021 NAADSN co-hosted an Arctic Webinar Series with the Canadian Pugwash Group and the Rideau Institute. This series of presentations looked at reconceptualizing Arctic security and the implications of a changing Arctic. A compilation of the transcripts of the panels was published as *Beyond the Cooperation-Conflict Conundrum: Proceedings of an Arctic Security Webinar Series* edited by P. Whitney Lackenbauer and Peggy Mason. This series included presentations by Dr. P. Whitney Lackenbauer and Mr. Ernie Regehr: Reconceptualizing Arctic Security, Dr. Douglas Causey and Dr. Will Greaves: Climate Change: Reshaping the Face of the Canadian and Circumpolar Arctic, Bridget Larocque and Sgt. John Mitchell: A Changing Arctic: Northern Perspectives, Dr. Elizabeth Riddell-Dixon and Dr. Aldo Chircop: A Changing Arctic: Political and Legal Considerations, Dr. Andrea Charron and Dr. Nancy Teeple: Resurgent Great Power Competition: What Does it Mean for Arctic Security and Stability? and Dr. P. Whitney Lackenbauer and Peggy Mason: Conclusions and Recommendations for Canadian Action.

ADVANCING COLLABORATION IN CANADA-U.S. ARCTIC REGIONAL SECURITY (ACCUSARS) I, II, AND III

In September 2020 NAADSN and the Arctic Domain Awareness Center (ADAC) co-hosted the ACCUSARS I workshop focused on specific initiatives to improve understanding and enhance collaboration between Canada-U.S. Arctic security professionals. Senior military officers, policy experts, and academics attended this invitation-only event. Preliminary outputs included a placemat showcasing Key Drivers/Themes/Trend + Proposed Indicators, a Workshop Literature Review, and a draft for discussion that helped inform discussions on day 2: Understanding the Future Arctic Security Environment: Applying NATO Strategic Foresight Analysis to Canadian Arctic Defence and Security 2020. The event focused on specific initiatives that will improve understanding and enhance collaboration between Canada-US Arctic security professionals. Focusing on emerging trends in medium- and long-term North American Arctic security environment, the mix of academics and practitioners at this workshop anticipated potential North American Arctic futures to identify potential gaps and shortfalls in current strategies, capabilities, and research. A summary report of the event was shared with NAADSN and ADAC networks and the broader community of North American Arctic security professionals.

In March 2021 NAADSN and ADAC co-hosted ACCUSARS II. The purpose of this workshop was to create a strategic foresight assessment for the North American Arctic. In close collaboration with ADAC, ACCUSARS II was oriented to the U.S. Arctic and Canada's Western Arctic and included an analysis of security implications from symmetrical and asymmetrical threats to North American security. The second iteration of the ACCUSARS workshop series provided an additional avenue for NAADSN members and fellows, practitioners, academics, and partners to further collaborate and share research.

In partnership with CASR, Nasiffik – Centre for Foreign & Security Policy at Ilisimatusarfik / University of Greenland, the Ted Stevens Center, and ADAC we co-presented ACCUSARS III with a focus the Eastern North American Arctic and opportunities, recommendations and inquires to address anticipated challenges to the North American Arctic security environment.

KITIKMEOT ROUNDTABLE

NAADSN co-organized the Kitikmeot Roundtable on Search and Rescue held at the Canadian High Arctic Research Station (CHARS) in Cambridge Bay, Nunavut, from 31 January – 1 February 2020. The Canadian Arctic is seeing increased aviation, maritime, and terrestrial activity, heightening the need for effective community-based search and rescue (SAR) capabilities. This roundtable arose from conversations with Northern Canadian SAR practitioners, concerned with growing demands for their services, who sought an opportunity to exchange knowledge with practitioners in other communities and to develop new connections with DND/CAF and government partners involved in SAR in Nunavut.

Participants discussed SAR operations with representatives from the territorial and federal agencies (e.g. Emergency Management Nunavut, the Department of National Defence/Canadian Armed Forces, and the Canadian Coast Guard), with a particular focus on how to best utilize community-based assets as force multipliers. Given the range of participants involved, the roundtable provided an excellent opportunity to explore Mass Rescue Operations (MRO), with representatives from the Canadian Coast Guard's Arctic Region facilitating a tabletop exercise centred on an adventure cruise ship running aground in waters of the Kitikmeot. NAADSN students and postdoctoral fellows were actively involved in all of these activities.

The Kitikmeot event brought together a group of Northern stakeholders (predominantly Inuit) to discuss security issues. These stakeholders shared how they organize, coordinate, and conduct searches, with a focus on training and skills, response procedures, leadership, equipment, and inter-organization and inter-community cooperation. The roundtable produced a list of lessons learned and best practices that was disseminated to the organizations and agencies involved in SAR in the Kitikmeot, as well as identifying capability gaps in communities and in the region. The event created the Kitikmeot SAR System for practitioners to share best practices and communicate with relevant authorities, for which Dr. Kikkert has secured extensive additional research funding with Canadian and international partners.

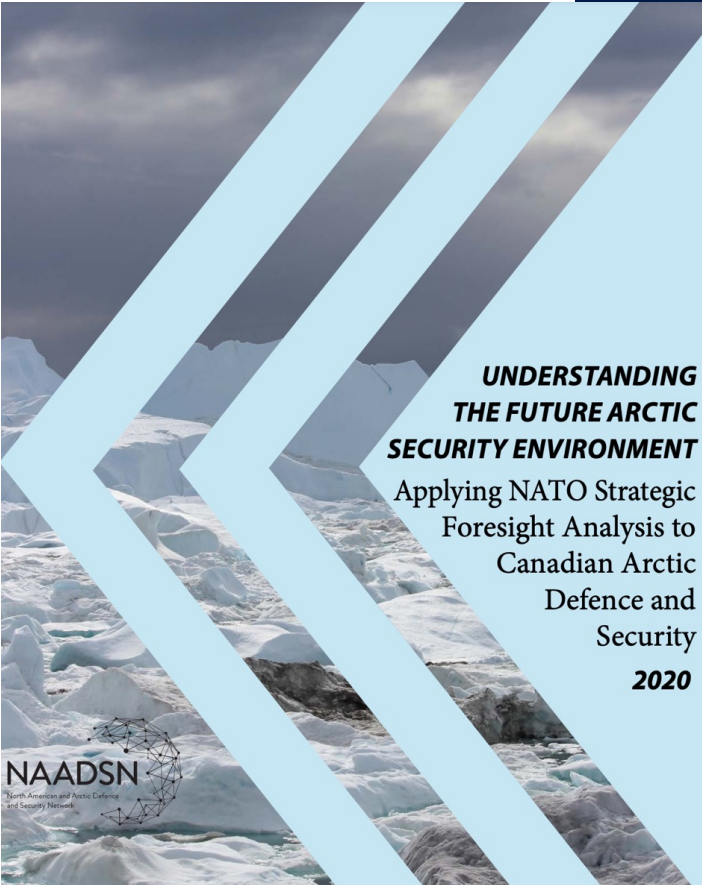


Kitikmeot Roundtable on Search and Rescue



Report and Findings

Report by Peter Kikkert, Ph.D., P. Whitney Lackenbauer, Ph.D., and Angulalik Pedersen, Cambridge Bay Coast Guard Auxiliary / GSAR



Canadian Arctic Security
Thursday November 5th, at 12 PM EST

Dr. Dalee Sambo Dorough
Chair, Inuit Circumpolar Council

Daniel Taukie
Inuit Marine Monitoring Program Coordinator, Nunavut Tunngavik

Marjorie Kaviq Kaluraq
Chair, Nunavut Impact Review Board, and Teacher, Nunavut Teacher Education Program, Nunavut Arctic College

Bridget Larocque
Indigenous Activist

OPENING REMARKS

MODERATED BY

David Sproule
Senior Arctic Official, Global Affairs Canada

Dr. P. Whitney Lackenbauer
NAADSN Lead, Canada Research Chair in the Study of the Canadian North

NAADSN
International Security Research & Outreach Program (ISROP)
Programme de recherche et d'information dans le domaine

ARCTIC VOICES

Ensuring that our work is informed by and reflects Indigenous Peoples' and Northerners' Perspectives animated much of our research activity. In November 2020, NAADSN co-hosted Voices from the Arctic: Diverse Views on Canadian Arctic Security with the support of the International Security Research and Outreach Programme (ISROP) of Global Affairs Canada. In this virtual event, Dr. Dalee Sambo Dorough, Daniel Taukie, Marjorie Kaviq Kaluraq, and Bridget Larocque shared their perspectives and insights on Arctic security. Dr. Dalee Sambo is the chair of the Inuit Circumpolar Council, and has a long history of advocating for human rights including as a Chairperson of the United Nations Permanent Forum on Indigenous Issues, and was actively involved in the process that produced the UN Declaration on the Rights of Indigenous Peoples (UNDRIP). Bridget Larocque is an Indigenous resident of the Northwest Territories, has an extensive knowledge of the Northwest Territories and the broader circumpolar world, brings a distinct worldview from that region, and also shares a comprehensive knowledge of research methods and Indigenous and gender issues. She serves as a policy advisor and researcher with the Arctic Athabaskan Council (ACC) and was executive director of Gwich'in Council International (GCI) from 2007-12, so she has tremendous expertise on the Arctic Council and Arctic governance issues. Kaviq Kaluraq is chair of the Nunavut Impact Review Board and a resident of Baker Lake (Qamani'tuaq) where she teaches in the Nunavut Teacher Education Program for Nunavut Arctic College. She has a Bachelor of Science from Trent University where she is also completing a Master of Educational Studies degree. Daniel Taukie, originally from Cape Dorset (Kinngait), works for Nunavut Tunngavik Incorporation (NTI) where he is the coordinator of the Inuit Marine Monitoring Program. He is a graduate of the Inuit Learning and Develop Pilot Project and he is part of the volunteer Search and Rescue team in Iqaluit. The Arctic Voices event generated tremendous interest, and NAADSN produced a Special Report of the proceedings artfully laid out to appeal to a wide audience.

Gender, Indigeneity, and Intersectionality in the Arctic
Wednesday, May 26, 2021 from 12:00 - 1:30 PM ET

Aluki Kotierk
Nunavut Tunngavik Incorporated

Tahnee Prior
Dalhousie University

Ashley Cummings
Yukonstruct

Bridget Laroque
Arctic Athabaskan Council

Register at bit.ly/GBAseries

Defence & Security Foresight Group | NAADSN | WIIS-CANADA

GBA+ WEBINAR

In collaboration with the Defence and Security Foresight Group, the Centre for Social Innovation and Community Engagement in Military Affairs (SICEMA) at Mount Saint Vincent University, and Women in International Security Canada (WIIS-C) NAADSN co-presented a series of webinars focused on Gender Based Analysis Plus (GBA+) in May 2021. The goal of the series was to ask why is intersectionality and GBA+ important in research? The webinars brought together experts in their fields who shared their experiences including intersectionality and GBA+ in their experiences, in their research designs, the challenges and successes they have had to date, and recommendations for next steps. NAADSN organized the second webinar in the series: Gender, Indigeneity, and Intersectionality in the Arctic which featured a discussion with Aluki Kotierk (Nunavut Tunngavik Incorporated), Dr. Tahnee Prior (Postdoctoral Fellow, Dalhousie University), Ashley Cummings (Yukonstruct), and Bridget Laroque (Arctic Athabaskan Council). The third webinar featured NAADSN Postdoctoral Fellow and Director of Operations Dr. Shannon Nash, who was recognized as a WIIS-C Emerging Thought Leader in National Security in 2021. Dr. Nash spoke about her counter-terrorism research and applying GBA+ to emerging security threats facing Canada.

“The Watch” Command Magazine, United States Northern Command, United States European Command, United States Indo-Pacific Command and the Center for Arctic Security and Resilience

Present

Arctic eTalks

A monthly forum for open discussion (non-attribution) on key issues affecting the Circumpolar Arctic for academics, defense and security professionals, and military leaders of the Canada, Kingdom of Denmark, Finland, Iceland, Norway, Sweden and the United States, as well as the United Kingdom and Germany

Partners:

Registration required:
Link provided in the email invitation

Thursday, December 16th, 2021
0800 AK / 1000 MT / 1200 EST / 1800 CET

Contact for more information:
casr@alaska.edu

Strong Partnerships are Integral to Defending Our Homelands

Arctic Security and the Saami Council Indigenous Perspectives and Interests



Featuring:
Christina Henriksen
President of the Saami Council
Permanent Participant of the Arctic Council

ARCTIC ETALKS AND ARCTIC ACADEMIC ETALKS

NAADSN co-presents the Arctic Academic eTalks in partnership with “The Watch” Command Magazine and several other international partners, including United States European Command and United States Indo-Pacific Command. The series was designed for senior military officials, civil servants, and selected academics from across like-minded Arctic states. The Arctic Academic eTalks are held monthly, alternating between open academic presentations/discussions and small, invite-only “closed” sessions in which experts are asked to tackle specific challenge questions related to the Arctic information environment in a free, non-attribution setting that is not recorded. In the closed events, about 10 experts from around the world participate in each session and tackle specific challenge questions related to the Arctic information environment. These have been highly engaging discussions with recommendations that have been compiled in products available

on our website and well as non-public reports and briefings submitted to Defence Team stakeholders.

NAADSN is also pleased to be a partner in the monthly Arctic eTalks that was established in January 2021. The eTalks are a monthly forum for open discussion (non-attribution) on key issues affecting the Circumpolar Arctic for academics, defense and security professionals, and military leaders of the Arctic States and allies. In coordination with international partners the events help to facilitate presentations and discussion involving the interests and focus of various Arctic actors. In 2021 the series had over 900 audience participants. The success of Arctic eTalks has been based on the quality expertise and professionalism of the monthly guests who are notable practitioners with significant and engaging insight on Arctic topics.

PERMANENT JOINT BOARD ON DEFENSE (PJBD) WORKSHOP, WASHINGTON DC

NAADSN co-sponsored (along with School of Advanced International Studies (SAIS) at Johns Hopkins University, the University of Manitoba’s Centre for Defence and Security Studies, a DND MINDS grant, the Defence and Security Foresight Group (DSFG), and the Canadian Defence and Security Network) a Permanent Joint Board on Defense (PJBD) workshop. Organized by network lead Dr. Andrea Charon and held on 17 January 2020, in Washington D.C., the workshop examined the past, assessed the present, and anticipated the future of the PJBD. Celebrating 80 years of this extraordinary binational advisory board, the event provided policy relevant advice on how Canadians could better understand US defence priorities, both within the NORAD context and around the world, identifying new opportunities to further cooperate. The lessons learned from the workshop were conveyed in a final report which was delivered to the two co-Chairs of the PJBD, the two departments of defense/defence, and the Standing Committees of the House of Commons and Senate on defence issues.



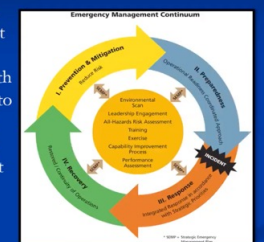
NAADSN IDEAS SERIES

In May 2020 we launched our NAADSN Ideas Series, which are conversations over Zoom that feature paper presentations and roundtable discussions about timely and relevant North American and Arctic defence and security topics. These talks were well received and attended by students, academics, DND/CAF, individuals from other government departments, and industry representatives. Outputs from these presentations are made available on our website in the form of written reports, Policy Briefs, PowerPoint slides, and video recordings. We conducted the series about every 3 weeks with scholars who discussed policy challenge questions, framed and debated options, and offered preliminary assessments for the defence team. These conversations have focused on timely topics and have encouraged participants to engage with the speakers in real time and post-event. Topics discussed include the future of the Canada-U.S. security community, threats in, to, and through the Canadian Arctic, security challenge and opportunities in the North American Arctic, present and future challenges to governing emerging technologies, the Canadian Rangers and community resilience, Canada and missile defence participation, the new Arctic Security triangle environment, Russian Arctic strategies and the media – public opinion – policy nexus in the Arctic.

Community Disaster Resilience (CDR)

A community’s ability to “anticipate, and where possible prevent or at least minimize the potential damage a disaster might cause” and to cope with the effects of a “disaster if it occurs, to maintain certain basic functions and structures during the disaster, and to recover and adapt to the changes that result.”

■ Justice Institute of British Columbia, n.d. Cox and Hamlen, 2015.



PARTNERSHIPS

NAADSN has benefitted from meaningful partnerships and engagements across DND/CAF, as well as with international allies and partners, that have contributed to our Network's success. For example, our work with the Center for Arctic Security and Resilience (CASR) and the Arctic Domain Awareness Center (ADAC) at the University of Alaska Fairbanks and Anchorage has deepened collaboration with Alaskan colleagues through co-hosted events and activities, which also continues through our fledgling partnership with the Ted Stevens Center for Arctic Security Studies. We enjoy strong relationships with NORAD / US Northern Command (NORTHCOM) through close collaboration with the Chief of Engagements and Senior Social Scientist (J39) and other senior officials who regularly participate in NAADSN events. On the academic side, core partners include Norwich University's Peace and War Center, Nassifik (the foreign and defence policy centre) at Ilisimatusarfik (University of Greenland), and the Observatoire de la politique et la sécurité de l'Arctique (OPSA) at the University of Ottawa. We have enjoyed close working relationships with non-governmental organizations and think tanks including the Conference of Defence Associations (CDA) Institute, Canadian Global Affairs Institute, Pugwash Canada, and the Rideau Institute. We have also benefitted from guidance and close collaboration with Joint Task Force (North), 1st Canadian Ranger Patrol Group, and regional and local partnerships with Northern governments, organizations, and communities.

NAADSN has also embraced its role as an academic sub-working group of the Arctic Security Working Group (ASWG), created in 1999 so that federal and territorial security practitioners can discuss and exchange information on issues of importance to Canada's North. ASWG's revised terms of reference (2017) confirmed the need to "establish subordinate ad hoc sub-working groups on an as required basis to assist in fulfilling its role and function," and it authorized the establishment of a new Canadian Arctic Security Academic Network to act as a "consortium of academics with an interest in northern safety and security issues." Acting in this capacity, NAADSN has provided regular updates on Arctic sovereignty, security, and resiliency issues to support the ASWG network, meetings, and associated discussions and activities, and Dr. Lackenbauer serves on the ASWG coordinating committee. We have been pleased by the strong support and praise that we have received for NAADSN's efforts in support of this important forum.



I would like to recognize the superior support provided by Dr. P. Whitney Lackenbauer and Dr. Shannon Nash from the North American and Arctic Defence and Security Network (NAADSN) for co-hosting our Arctic Academic eTalks speaker series. This initiative supports Canada's Department of National Defence (DND) MINDS Academic Outreach program by providing a forum for open dialogue between Arctic academics and supports Canada-United States (CANUS) defence cooperation...Dr. Shannon Nash, Director of Operations, NAADSN has been a superior partner in ensuring high quality programming, superior logistics, and outstanding support.

Dr. Ben Gochman

Chief of Engagements and Senior Social Scientist,
NORAD and USNORTHCOM/J39
Arctic eTalks Director

Norwich University's Peace and War Center has had the privilege of partnering with NAADSN over the past three years. As the oldest private military college in the United States, we commission officers into the Air Force, Army, Navy, Marines, and Space Force and our university community has benefitted from the expertise, research, and networks derived from our collaboration with NAADSN. Specifically, we worked together to develop and lead a North American Arctic Forum, a student engagement forum, that was comprised of workshops and presentations that featured Canadian and American academic experts, practitioners, and commanders.

Dr. W. Travis Morris

Associate Professor and Director, Norwich
University Peace and War Center

The Stevens Center appreciates the important role NAADSN provides to the North American Arctic Defense and Security practitioner community. As a long standing network member of NAADSN, started when serving as the Executive Director of the Arctic Domain Awareness Center, (ADAC) a U.S. Department of Homeland Security Center of Excellence in Maritime Research hosted at the University of Alaska, I know firsthand the increase in Arctic awareness and collaboration that has resulted from NAADSN's endeavors.

Randy "Church" Kee, Maj Gen, USAF (Ret)

Senior Advisor, Arctic Security Affairs, Ted Stevens
Center for Arctic Security Studies

Under the effective leadership of Dr. Lackenbauer, NAADSN enabled and empowered individuals and organizations alike to accomplish outcomes previously thought beyond possible. Whatever the topic, whatever the method - NAADSN found a way to support whatever productive value could be achieved. Both organizations (CASR and NAADSN) also ensured that the readership received value-added information in their language and lexicon, whether it be military doctrine, policy language, diplomatic nuance, indigenous inclusivity, research oriented, and much more.

Troy Bouffard

Director of the Center for Arctic Security and
Resilience (CASR)

NAADSN PARTNERSHIPS

FAIRBANKS, AK, US

- Center for Arctic Security and Resilience (CASR), School of Management, University of Alaska Fairbanks

ANCHORAGE, AK, US

- Ted Stevens Center for Arctic Security Studies
- Arctic Domain Awareness Center (ADAC), University of Alaska

YELLOWKNIFE, NWT, CANADA

- 1st Canadian Ranger Patrol Group
- Arctic Security Working Group
- Canadian Arctic Resources Committee
- Ecology North
- Joint Task Force (North)

WHITEHORSE, YT, CANADA

- Arctic Athabaskan Council

CALGARY, AB, CANADA

- Canadian Global Affairs Institute
- The Canadian Network on Information and Security (CANIS)
- Centre for Military, Security and Strategic Studies, University of Calgary
- School for Public Policy, University of Calgary

WINNIPEG, MB, CANADA

- 1st Division Canadian Air Force
- Canadian NORAD Region Headquarters
- Centre for Defence and Security Studies, University of Manitoba

VICTORIA, BC, CANADA

- Canada-Russia Research Initiative (CRRRI)

MOSCOW, ID, US

- Center for Resilient communities (CRC), University of Idaho

WATERLOO, ON, CANADA

- Balsillie School of International Affairs
- Defence and Security Foresight Group

NORTHFIELD, VT, US

- Norwich University

NORFOLK, VA, US

- NATO ACT (Allied command transformation)

AIEA, HI, US

- United States Indo-Pacific Command

NUUK, GREENLAND

- Nasiffik Centre for Foreign and Security Policy, Ilisimatusarfik/University of Greenland

ANTIGONISH, NS, CANADA

- Brian Mulroney Institute of Government, St. Francis Xavier University

QUEBEC CITY, QC, CANADA

- École nationale d'administration publique

MONTREAL, QC, CANADA

- Observatoire de la politique et la sécurité de l'Arctique (OPSA)

KINGSTON, ON, CANADA

- Network for Strategic Analysis (NSA)
- Royal Military college (RMC)

OTTAWA, ON, CANADA

- Canadian Army
- Canadian Coast Guard
- Canadian Defence Associations Institute
- Canadian Defence and Security Network
- Canadian Security Intelligence Service
- Canadian Special Operations Forces Command (CANSOFCOM)
- Centre for International Policy Studies
- Continental Defence Policy Division
- Defence Research Development Canada (DRDC)
- Fulbright Canada
- Global Affairs Canada, International Security Research and Outreach Programme (ISROP)
- Government of Canada
- Inuit Circumpolar Council
- Inuit Tapiriit Kanatami
- NORAD policy group at ADM(Pol)
- Rideau Institute
- Royal Canadian Air Force

LYSAKER, NORWAY

- Fridtjof Nansen Institute

OSLO, NORWAY

- Norwegian Institute for Defence Studies
- Norwegian Institute for International Affairs

KØBENHAVN, DENMARK

- Royal Danish Defence College

GARMISCH-PARTENKIRCHEN, GERMANY

- George C. Marshall European Center for Security Studies

STUTTGART, GERMANY

- United States European Command

RIGA, LATVIA

- NATO Strategic Communications Centre of Excellence

RICHELIN, QC, CANADA

- 2nd Canadian Ranger Patrol Group

SAINT-JEAN-SUR-RICHELIEU, QC, CANADA

- Collège militaire royal de Saint-Jean (CMR)

WASHINGTON, DC, US

- School of Advanced International Studies (SAIS), Johns Hopkins University
- United States Coast Guard
- William J. Perry Center, National Defense University

TORONTO, ON, CANADA

- Canadian International Council
- Canadian Pugwash Group
- Walter & Duncan Gordon Foundation

LONDON, UK

- Ministry of Defence, United Kingdom

LOUGHBOROUGH, UK

- Loughborough University

SALISBURY, UK

- Defence Science and Technology Laboratory United Kingdom

CHARLOTTE, NC, US

- Collins aerospace

COLORADO SPRINGS, CO, US

- NORAD
- United States Northern Command (NORTHCOM)
- "The Watch" Command Magazines

NAADSN MEMBERSHIP



DR. P. WHITNEY LACKENBAUER
NETWORK LEAD



DR. ANDREA CHARRON
NETWORK CO-LEAD



DR. STÉPHANE ROUSSEL
NETWORK CO-LEAD



BRIDGET LAROCQUE
NETWORK CO-LEAD AND CHAIR,
NORTHERN ADVISORY BOARD



DR. WILFRID (WILL) GREAVES
NETWORK CO-LEAD



DR. SHANNON NASH
DIRECTOR OF OPERATIONS



DR. ANDREW BRESNAHAN
DIRECTOR OF CIRCUMPOLAR AFFAIRS AND
NORTHERN OUTREACH



MR. TROY BOUFFARD
NETWORK COORDINATOR



GUILLAUME CÔTÉ
NETWORK COORDINATOR



DR. JACKIE DAWSON
NETWORK COORDINATOR



DR. PETRA DOLATA
NETWORK COORDINATOR



DR. HEATHER EXNER-PIROT
NETWORK COORDINATOR



DR. ROB HUEBERT
NETWORK COORDINATOR



DR. PETER KIKKERT
NETWORK COORDINATOR



MAJOR GENERAL RANDY "CHURCH" KEE
NETWORK COORDINATOR



DR. ADAM LAJEUNESSE
NETWORK COORDINATOR



DR. SUZANNE LALONDE
NETWORK COORDINATOR



DR. MATHIEU LANDRIAULT
NETWORK COORDINATOR



DR. MARC LANTEIGNE
NETWORK COORDINATOR



DR. ANDREAS ØSTHAGEN
NETWORK COORDINATOR



MR. TOM PADDON
NETWORK COORDINATOR



DR. CHRISTOPHER SANDS
NETWORK COORDINATOR



NICHOLAS ANDREWS
GRADUATE FELLOW



JOSHUA BAKER
GRADUATE FELLOW



JILL BARCLAY
POST-GRADUATE FELLOW



JUSTIN BARNES
GRADUATE FELLOW



JACKSON BELLAMY
GRADUATE FELLOW



CHRISTINA BOUCHARD
GRADUATE FELLOW



SYDNEY BRUMMET
GRADUATE FELLOW



STEVEN CARON
GRADUATE FELLOW



DR. ANDREW CHATER
NAADSN MEMBER



DANIELLE CHERPAKO
GRADUATE FELLOW



TIMOTHY CHOI
GRADUATE FELLOW



LAURA CONRAD
GRADUATE FELLOW



ILAYDA CORUK
GRADUATE FELLOW



NICOLE COVEY
GRADUATE FELLOW



JOE CROWTHER
GRADUATE FELLOW



KRISTEN CSENKEY
GRADUATE FELLOW



ASHLEY CUMMINGS
GRADUATE FELLOW



LUKAS K. DANNER
NAADSN MEMBER



RYAN DEAN
POLICY AND RESEARCH COORDINATOR



BRITTANY ENNIS
GRADUATE FELLOW



DR. KAREN EVERETT
NAADSN MEMBER



IRIS FERGUSON
NAADSN MEMBER



DR. JAMES FERGUSSON
NAADSN MEMBER



PRANEEL GAYAN
GRADUATE FELLOW



JOHN GILMOUR
NAADSN MEMBER



NICHOLAS GLESBY
GRADUATE FELLOW



MEAGAN GREENTREE
GRADUATE FELLOW



GABRIELLA GRICIUS
GRADUATE FELLOW



RUTING GUO
GRADUATE FELLOW



CORAH HODGSON
COPYEDITOR AND POST-GRADUATE FELLOW



SAM HOSSACK
GRADUATE FELLOW



THOMAS HUGHES
GRADUATE FELLOW



ALLA HURSKA
GRADUATE FELLOW



NICOLAS KEMPF
GRADUATE FELLOW



DR. KATHARINA KOCH
NAADSN MEMBER



ASHLEY KILABUK-SAVARD
NAADSN MEMBER



CHLOEE KONSAM
GRADUATE FELLOW



GABRIELLE LAFORTUNE
GRADUATE FELLOW



DR. FRÉDÉRIC LASSERRE
NAADSN MEMBER



JOHN LAUZON
GRADUATE FELLOW



JAYDE LAVOIE
STUDENT FELLOW



CARLY MACARTHUR
GRADUATE FELLOW



ALEXANDER MACDONALD
GRADUATE FELLOW



MEGAN MARTINS DA PONTE
GRADUATE FELLOW



CHERYL MITCHELL
GRADUATE FELLOW



PAULINE PIC
GRADUATE FELLOW



DR. ELIZABETH RIDDELL DIXON
NAADSN MEMBER



DR. MALGORZATA (GOSIA) SMIESZEK
NAADSN MEMBER



CHRISTOPHER VERKLAN
GRADUATE FELLOW



ELIA MOLINARI
GRADUATE FELLOW



DR. KARI ROBERTS
NAADSN MEMBER



EMILY STANDFIELD
PUBLICATIONS COORDINATOR AND
GRADUATE FELLOW



DR. MAGALI VULLIERME
NAADSN MEMBER



JACOB OUMET
GRADUATE FELLOW



BIANCA ROMAGNOLI
GRADUATE FELLOW



DR. SERGEY SUKHANKIN
POSTDOCTORAL FELLOW



DR. JESSICA WEST
NAADSN MEMBER



DEMYAN PLAKHOV
NAADSN MEMBER



NATHALIE POIRIER
GRADUATE FELLOW



DR. LEAH SARSON
NAADSN MEMBER



DR. NANCY TEEPLE
NAADSN MEMBER



SARAH WYATT
GRADUATE FELLOW



MARY PAQUET
DIGITAL COMMUNICATIONS
COORDINATOR AND GRADUATE FELLOW



KATHLEEN RANKIN
GRADUATE FELLOW



DR. JEAN FRANÇOIS SAVARD
NAADSN MEMBER



DR. ANNA TSURKAN
NAADSN MEMBER



MICHAEL YOUNG
NAADSN MEMBER



ERIN PARSONS
GRADUATE FELLOW



ERNIE REGEHR
NAADSN MEMBER



DR. MICHAEL SFRAGA
NAADSN MEMBER



TINA VARVARESOS
GRADUATE FELLOW

