

2021-2022

ANNUAL REPORT

Advancing Reconciliation
Through Research



CANADIAN
MOUNTAIN
NETWORK

Our purpose statement

The Canadian Mountain Network (CMN) is a national not-for-profit organization that supports the resilience and health of Canada's mountain peoples and places through research partnerships based on Indigenous and Western ways of knowing that inform decision-making and action.

Visit canadianmountainnetwork.ca for more information.

Land acknowledgement

CMN is proud to be part of a rich history of Indigenous knowledge and culture, including Indigenous ways of knowing, doing and being. We recognize the historical trauma and the triumphs that many different cultures, lands and Nations have continuously faced within Canada. We acknowledge that we are on the treaty lands and territories of numerous and diverse Indigenous Nations and pay tribute to their heritage and legacy, as we strengthen ties with the communities we serve while taking concrete actions towards meaningful reconciliation. We are grateful to have the opportunity to work with Indigenous communities in advancing their vision and aspirations on this land. We pay respect to all Indigenous people from all nations across Canada, acknowledge the traditional knowledge keepers and honour their leaders.



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Photo from CMN project: Enhancing the reintroduction of Plains Bison through the inclusion of cultural monitoring and traditional knowledge in Banff National Park (William Snow)

Contact: communications@cmn-rcm.ca
Website: canadianmountainnetwork.ca
Facebook: [@CanadianMountainNetwork](https://www.facebook.com/CanadianMountainNetwork)
Twitter: [@CanMountainNet](https://twitter.com/CanMountainNet)
LinkedIn: [linkedin.com/school/canadian-mountain-network](https://www.linkedin.com/school/canadian-mountain-network)
Instagram: [@CanMountainNet](https://www.instagram.com/CanMountainNet)

This report is available on the Canadian Mountain Network website in English and French:
canadianmountainnetwork.ca/about/reports

Printed copies are available upon request.



Photo from CMN project: Long-term monitoring of harvested mountain ungulates to improve their conservation and sustainable use (Marco Festa-Bianchet)

Report graphic design by Annie Webb,
artsciencedesign.org

MESSAGE FROM LEADERSHIP

CMN has been building its strong foundation since 2019. Over the past year, we have not only continued to grow our strong Network of Indigenous leaders, researchers and organizations, all dedicated to improving the resilience of mountain peoples and places, but we have firmly established strong and sustainable governance and management systems. These, coupled with our successes braiding Indigenous and Western ways of knowing and doing, leaves us confident that we fully met the purpose and goals of our existing Strategic Plan.

During the past year the entire CMN team – from the Board of Directors to the management and administrative team, the Indigenous Circle of Advisors, the researchers and our partners – has been dedicated to fully maximizing our impact for the remainder of the Network Centres of Excellence (NCE) funding cycle. Simultaneously, we have looked ahead and envisioned our future. CMN held a Strategic Planning Session in 2021, where we developed our new Strategic Plan and articulated our vision to accelerate our impact and support our continued growth through the last years of NCE funding.

As we look to the post-NCE landscape, we can confidently say that CMN's model of harnessing both Indigenous and Western ways of knowing to benefit mountain peoples and places can and does work. As a result, CMN has significantly contributed to the process of reconciliation by enabling environmental science and knowledge to inform policy and decision-making that better reflects the diversity of knowledge systems in Canada.

Our understanding and braiding of Indigenous and Western knowledge systems continues to be unmatched both in Canada and globally. We have remained committed to demonstrating strong values, consistent action, solid and novel governance, and excellence in knowledge and research of mountain systems, yet we have come to understand that braiding knowledge systems is larger than just mountain research. CMN is looking to Canada's Strategic Science Fund to provide sustainable funding for our very bright future where we can continue to implement projects and initiatives that are evidence of the incredible potential for Reconciliation Through Research.

March 2022



A handwritten signature in black ink.

Dr. Joe Dragon
Chair, Board of Directors

A handwritten signature in black ink.

Dr. Monique Dubé
Executive Director

A handwritten signature in black ink.

Norma Kassi
Co-Research Director

A handwritten signature in black ink.

Dr. Murray Humphries
Co-Research Director

MOUNTAINS...

Mountain regions are the focus and foundation of CMN's Network, but our reach extends to other landscapes that are connected by watersheds, rivers, the movement of wildlife, and human cultures. This Annual Report for 2021-22 showcases some of our many successes and introduces our vision for the future as it is laid out in our new Strategic Plan that will guide our work from April 2022 until March 2024.

The projects and initiatives highlighted in this Annual Report are living examples of how CMN is uniquely executing its progressive research agenda and supporting Canada to fulfil its national and international commitments.

2021-22 has successfully closed out CMN's first Strategic Plan that carried it from April 2019 to March 2022. The results of the past year confirm that CMN's work has achieved its purpose by supporting the resilience and health of Canada's mountain peoples and places through partnerships based on Indigenous and Western ways of knowing that inform decision-making and action.

Over the past year, CMN has continued to exemplify a well-defined innovative research agenda that will inspire and be followed by leaders, decision-makers, and engaged citizens across the nation and around the globe. CMN's researchers, both Indigenous and Western, are finding the way to accomplish 'Two-Eyed Seeing' — the state of viewing the world through an Indigenous lens with one eye, and a Western science lens with the other.

...AND BEYOND

CMN's impact over the past year goes far beyond our excellence in mountain ecosystems research, as the relevance of that work is increased through multiple ways of knowing, seeing and doing.

This past year, CMN:

- Fully allocated all research funds across 17 research projects, 7 Indigenous-led or co-led Knowledge Hubs and 7 strategic initiatives;
- Successfully achieved all 2019-2022 Strategic Plan goals;
- Continued to break ground by adding to CMN's unique repository of lived experience with reconciliation;
- Expanded its network of partners and collaborators both to participate in CMN initiatives and to receive the lessons learned, especially with respect to successfully braiding knowledge;
- Continued to benefit from the Arctic Inspiration Prize by developing the Land-Based Learning curriculum that will guide on-the-land camps in the Northwest Territories;
- Held a Strategic Planning Retreat and developed a new Strategic Plan that will, as of April 2022, guide CMN's work from now until March 2024;
- Submitted a Letter of Intent (LOI) to the Strategic Science Fund – Canada's Funding Program for independent science and research not-for-profits that support competitive, leading-edge research in areas critical to the well-being of Canadians;
- Initiated multiple strategic connector initiatives to leverage and maximize CMN's impact nationally and internationally; and
- Achieved all of the above while managing COVID-19 restrictions, using creative methods to perform sensitive work, such as engaging with Elders and Knowledge Holders using virtual platforms.



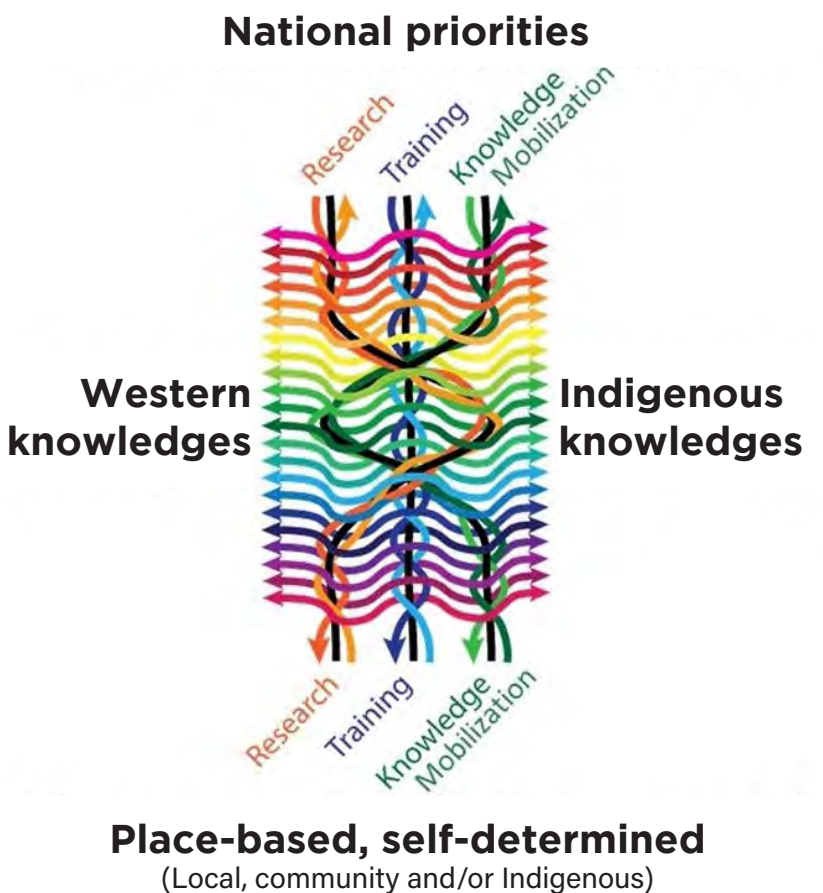
Wolverine Pass in Kootenay National Park
Credit: Tony Einfeldt

RECONCILIATION THROUGH RESEARCH

CMN recognizes that we are living in a time of rapid change and welcomes the long overdue movement to end the systemic silencing and undervaluing of Indigenous voices and perspectives. Tangible milestones towards this aspiration include the release of the Final Report of the Truth and Reconciliation Commission of Canada, the national adoption of the 2030 Agenda for Sustainable Development, including its Sustainable Development Goals (SDGs), and the enactment of the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) Act that came into force in June of 2021. UNDRIP, the most comprehensive international instrument on the rights of Indigenous peoples, and the SDGs both serve as frameworks that ensure all CMN activities are equitable and support the need for the presence of local knowledge at the national and local level.

Over the past year, CMN has literally 'learned by doing' reconciliation with a clear commitment to broadly share these results. CMN has uniquely created a safe space for all its researchers to collaborate and braid their different knowledge systems.

CMN's commitment to braiding knowledge is embedded throughout its structure and approach. For example, CMN has an Indigenous Circle of Advisors that have worked to ensure the protection and respect of the distinctive rights, needs, and perspectives of Indigenous Peoples involved with CMN.



“Contributing to this research is a cultural journey for each of us. As we delve into the topic of bison and bison habitat, we are not strictly focused on only bison. We are becoming aware of the larger special relationships between humans and all of wildlife, land and waters. The more that one is open to hearing and understanding a traditional knowledge perspective, the more that one is open to understanding a larger wholistic view.

- William Snow, CMN Project Co-Lead, Acting Director of Consultation, Stoney Tribal Administration

Reconciliation Through Research extends far beyond inclusion of different ways of knowing. Over the past year, a prime example has been CMN's project on enhancing the reintroduction of Plains Bison through the inclusion of cultural monitoring and traditional knowledge in Banff National Park. Although they have been involved with parks for more than 100 years, 2021 marks the first time that the Stoney Nakoda First Nations have worked together with Parks Canada on a wildlife study. The work has required that new paths be forged in all project aspects, from funding to equipment to report writing to administration. Each and every part of the project is developing key learnings, all of which have been and will continue to be communicated to facilitate the path for future researchers.

“The main lesson was realizing that truth and reconciliation can happen and is possible. This monumental task of supporting a peoples [sic] as a nation in order to integrate historical transgressions will happen in groups such as CMN as well as small community groups comprised of individuals committed to inclusivity and respect for all.

-Lakoda Thomas, CMN Summer research assistant, STEAM Pathways program, University of Alberta

“Ethical space is not automatically a beautiful meadow with gentle breezes and warm sunshine. It sometimes takes the grinding of gears and nervous laughter as we figure out how to bridge knowledge systems using imperfect structures.

- Don Carruthers Den Hoed, CMN Project Co-Lead, Research Associate, University of British Columbia



Photo from CMN project: Enhancing the reintroduction of Plains Bison through the inclusion of cultural monitoring and traditional knowledge in Banff National Park (William Snow)

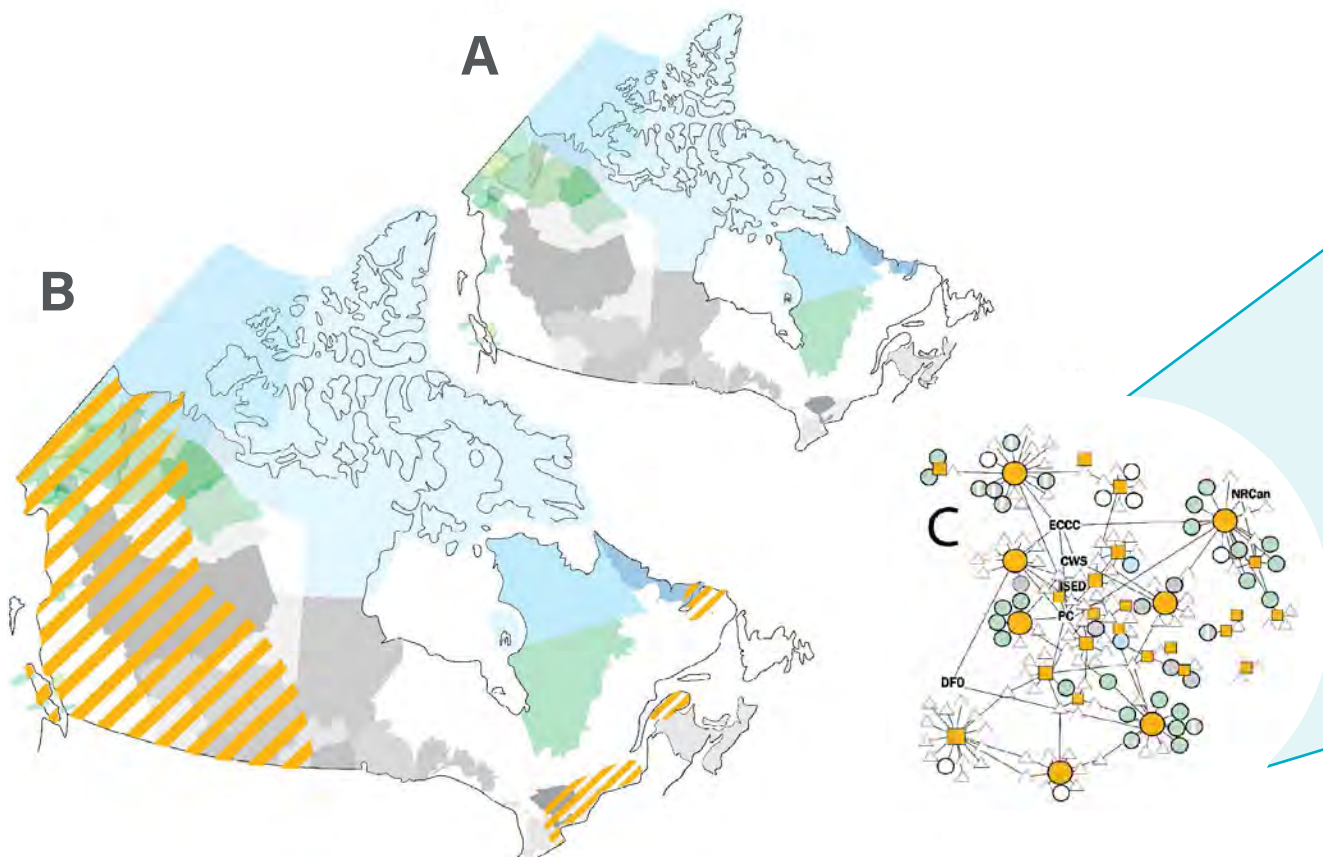
OUR REACH

Over the past year, CMN's partnerships and collaborations have grown, and they continue to span the four cultural landscapes present nationally: modern Inuit agreements, modern First Nations & Métis agreements, historic treaties and non-treaty regions. The different coloured shadings in Figure A below reflect unique agreements that exist within these four cultural landscapes.

CMN's investments in 2021-22 have had an extensive presence across the diversity of mountain regions in Canada. The gold hatching in Figure B indicates the areas of current investment relative to Canada's four cultural landscapes.

CMN will continue to expand this reach in the next two years of our NCE-funded work.

Areas of current CMN investment



A) Four cultural landscapes of Canada including:

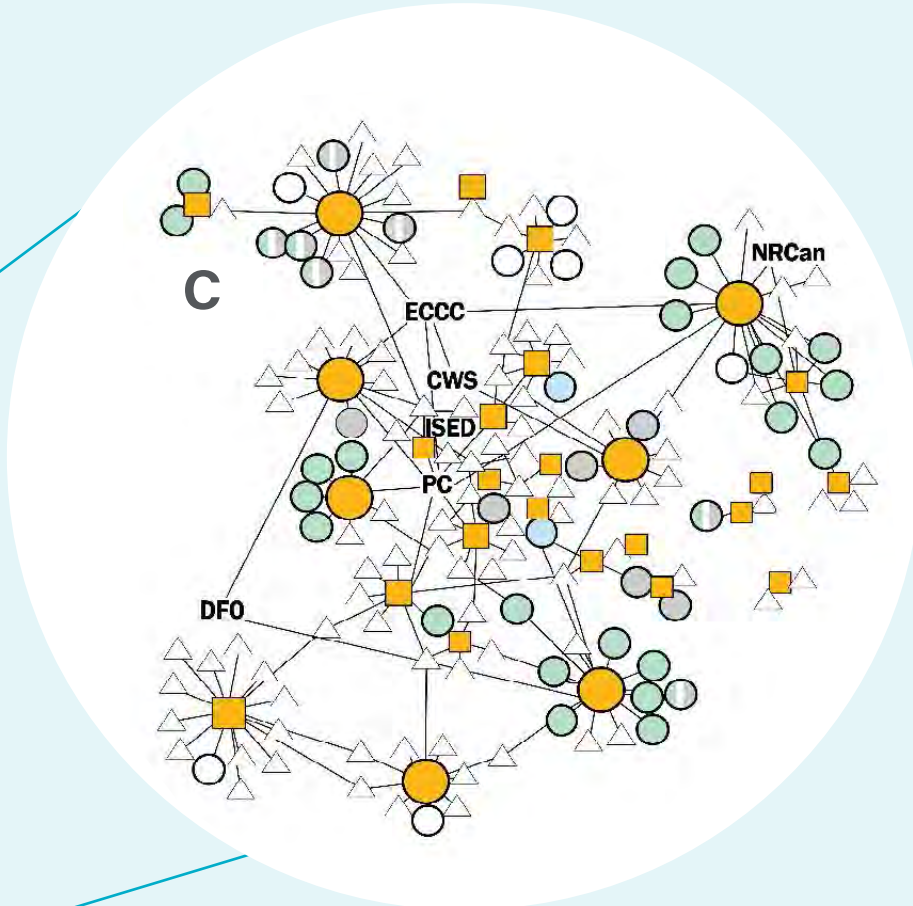
- modern comprehensive Inuit agreements comprising Inuit Nunangat
- modern comprehensive First Nations & Métis agreements
- historic treaties managed under the Indian Act
- non-treaty territories

B) Areas of current CMN investment, which include:

- 2 of 4** Inuit settlement regions
- 19 of 21** comprehensive First Nations & Métis agreements
- 10 of 15** historic treaty regions
- multiple non-Treaty territories in Yukon, BC, Quebec, and Labrador.

Our community

Coupled with investments over national cultural landscapes, CMN has cultivated an extensive network of collaborating organizations. Figure C shows the extent of these collaborators. The colours of the symbols in Figure C cross-reference the colours on the maps in Figures A and B, highlighting how these organizations relate to each other and to both the cultural landscapes and CMN investments.



C) Network of collaborating organizations currently supported by CMN including:

7 Indigenous-led or co-led Knowledge Hubs

17 research projects & **7** strategic initiatives

200+ researchers and trainees (not shown)

Established federal science collaborations include Environment Climate Change Canada (ECCC), Fisheries and Oceans Canada (DFO), Parks Canada (PC), Industry Science and Economic Development Canada (ISED), and Natural Resources Canada (NRCan).

157 collaborating organizations including:

8 First Nations or Métis organizations from non-treaty territories

6 First Nations or Métis organizations from treaty territories

22 First Nations or Metis modern comprehensive agreement territories

2 Inuit organizations from two Inuit settlement regions

7 umbrella Indigenous organizations representing a combination of non-treaty, historical treaty, and modern comprehensive agreement territories

△ Other collaborating organizations

24

active projects in
2021-22



\$3.26M

in funding to projects and initiatives



19

Indigenous-led and co-led projects



183

researchers & collaborators



150

trainees



149

partner organizations



\$5.45M cash
\$1.4M in-kind

partner contributions**

**Estimates for a 3-year project starting in 2021





OUR RESEARCH

Over the past year, CMN has funded 24 research initiatives across Canada, including **seven innovative Knowledge Hubs** and **17 traditional place-based research projects** (individually listed in Annex B & C), bringing together a greater number and diversity of participants across a larger region. These research initiatives align tightly with our research priorities, shown here:

CMN's research priorities:

1. Exploring how Indigenous Peoples apply Indigenous culture and knowledge to decision-making within mountain systems
2. Advancing an integrated, continental-scale understanding of the impacts of climate change and human activities on mountain systems
3. Identifying and developing innovative planning, risk and governance models applicable to the unique nature of mountain systems
4. Exploring opportunities to support the viability and resilience of place-based livelihoods that sustain the resilience of mountain systems

The significance and innovation of CMN's research over the past year is, in large part, a result of the braiding of Indigenous and Western knowledges. Infusing "Two-Eyed Seeing" throughout CMN's research agenda has yielded cutting-edge results that are co-produced yet driven by place-based, self-determined, Indigenous-led research.

Individually and in combination, CMN's research initiatives enhance Canada's international leadership in areas of economic, environmental and social importance.

Photo from CMN project: Long-term monitoring of harvested mountain ungulates to improve their conservation and sustainable use (Marco Festa-Bianchet)

HIGHLIGHTS: RESEARCH IMPACTS

Rekindling Indigenous-led land stewardship and cultural connections in the Rockies

Over the past year, this Research Hub continued and expanded on previous CMN research protecting and stabilizing the Kinse-Za caribou herd that had only 36 animals in 2013 and was on the brink of extirpation.

Innovative solutions have resulted from the unprecedented collaboration amongst Indigenous peoples, provincial and federal governments, scientists, environmental NGOs and industry partners, proving that where there is a will, there is a way — the herd size now exceeds 100 caribou!

The scope of work extended beyond direct caribou conservation into restoration projects that reduced habitat disturbance, improving it for caribou use. The Hub found ways, by developing adaptive management solutions and monitoring plans for the Kinse-Za herd, to rapidly respond to new challenges, such as balancing the need to protect caribou with the growing use of motorized recreation vehicles in prime caribou habitat during 2021.

“This work is much more than simply research. The work is about rekindling culturally-important species, Indigenous stewardship of lands, and protecting subsistence livelihoods that were assured to Indigenous peoples during treaty signing.”

- Dr Clayton Lamb, CMN Knowledge Hub Co-Lead, Postdoctoral Fellow, University of British Columbia Okanagan



Photo by Jukka Jantunen, Shutterstock

Pacific Indigenous Protected and Conserved Area (IPCA)

Indigenous Protected and Conserved Areas (IPCAs) are lands and waters where Indigenous governments play the key role in protecting and conserving those same ecosystems. IPCAs are centered around culture, language and the dedication to conserve these areas for future generations.

The first campus of CMN’s IPCA Innovation Centre, the Clayoquot Campus, is demonstrating how communities can combine Western science with Indigenous knowledge. In September 2021, the IPCA held its first knowledge transfer event — a nation-wide webinar with 560 architectural, engineering, and construction professionals attending from across Canada. This event marked the first step towards co-developing sustainable infrastructure that balances community and ecosystem health and well-being with ecosystem health and well-being.

Beyond infrastructure, last year’s programming at the campus included developing a Nuu- chah-nulth “language nest” and the establishment of a carving facility.

“It was great to see things from a new perspective

- Participant in the IPCA knowledge transfer webinar

Łingít Kusteeyí (Tlingit Way of Life): revitalizing Tlingit law for land and wildlife

Over the past year, this project has articulated Tlingit laws as they are directly informed by knowledge holders. These laws are being incorporated into a legal principles document for use by the community, where it will help the development of internal policies and support governance.

2021 successes included a three-day hike along a traditional Tlingit trail in the company of three Elders and Knowledge Holders. Participants connected with Tlingit stories and discussed Tlingit law through the lenses of language, lived experience, decolonization, and the present-day context.

Łingít Kusteeyí also delivered five days of training in on-the-land Tlingit camps. These camps, led by Knowledge Holders, focused on Tlingit language stories and lessons, traditional activities, such as fishing, and Tlingit law workshops and discussion.

“This [project] has changed my life.

[This project] was deeply healing and connecting.

[This project] changed my relationship with the land.

- Participants in a knowledge mobilization event for Tlingit community members

Managing groundwater resources in mountainous areas: planning for and adapting to drought conditions

This past year has seen catastrophic heat and flood events in British Columbia (BC) as the changing climate results in more severe extreme weather events. We, as a nation, are clearly lagging in our ability to adapt to these rapidly changing climate conditions. This CMN project is at the forefront of climate change adaptation research.

Over the past year, the project team have identified climate-related variables, such as maximum spring air temperature, that can be used to predict and forecast summer groundwater levels in three regions of BC. Not only will this information improve provincial drought management strategies, but it is also being used to classify aquifers (underground rock features that hold water) according to their susceptibility to drought. All of this leads directly to greater resilience to climate events in BC.

Credit: Tony Einfeldt

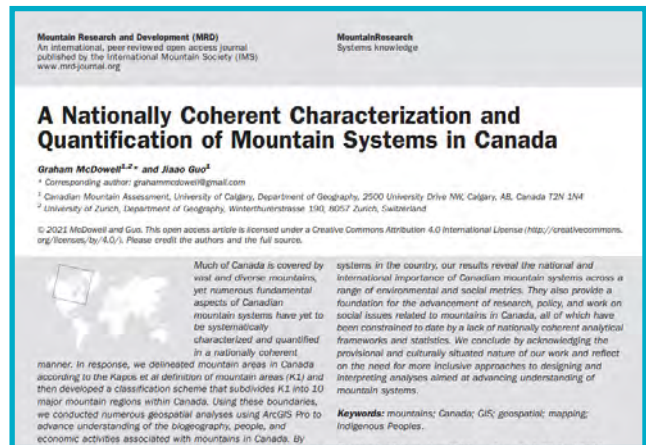
STRATEGIC INITIATIVES

During the 2021-22 research year, CMN supported strategic cross-cutting initiatives focused on moving research forward with a spirit of innovation and reconciliation. These will, over time and on a path towards reconciliation, enable local knowledge approaches to contribute more to public policy and decision-making. Four of CMN's strategic initiatives are highlighted below and on the next page.

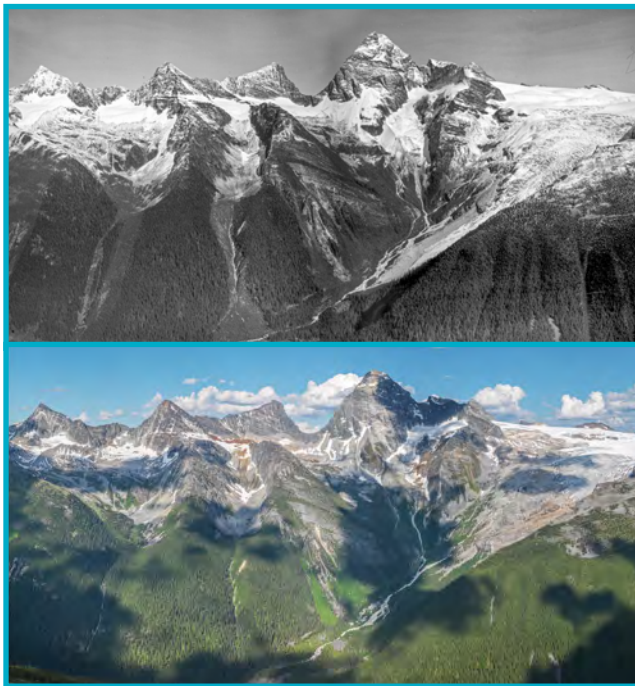
Canadian Mountain Assessment

The Canadian Mountain Assessment (CMA) has been working to assess what we know, what we do not know, and what we need to know about mountains in Canada according to insights from both western academic and Indigenous knowledge systems.

This past year saw the publication of CMA's foundational assessment of Canada's changing mountain systems. In conjunction with this, the CMA is actively building a broad community of practice related to mountains in Canada.



Article by the CMA published in Mountain Research & Development in April 2021



A panorama of the Illecillewaet Glacier, Mt. Sir Donald, British Columbia. Photographed by Arthur O. Wheeler in 1901 (above) and MLP in 2011 (below)

Mountain Legacy Project

The Mountain Legacy Project (MLP) has been leveraging the world's largest systematic collection of historical mountain images to understand and model century-scale landscape change.

Almost every mountain summit in Canada has been photographed and these high-resolution historical images are safely archived. During the last year, the MLP has repeated these photographs in order to analyze and track historical changes in mountain landscapes, an effort that supports more informed and effective decisions about the future of mountains.

As well, the MLP began work on a major overhaul of the existing digital infrastructure to ensure that growth in the photographic collections is well supported.

Canadian Mountain Podcast (CMP)

This innovative audio storytelling initiative produces and airs monthly podcast episodes that highlight the latest stories and findings from the Canadian Mountain Network.

The full podcast series, including episodes from the past year, is currently available online. These podcasts have found both a Canadian and an international audience.

In early 2022, one of CMP's podcasts, "[Pushing Past the Empty Rhetoric: The Canadian Mountain Podcast and Its Approach to Land Acknowledgment](#)," was featured in JSource, a website for journalists, journalism students and educators, and members of the public.

The podcast featured members of the CMP team discussing what they have learned and how their understanding has changed about Land Acknowledgement, with the goal of sharing what they have learned as CMP seeks to decolonize and change media platforms.



The UN Declaration of the Rights of Indigenous Peoples (UNDRIP¹) and the UN Sustainable Development Goals (SDGs²)

Canada adopted the 2030 Agenda for Sustainable Development, including its Sustainable Development Goals (SDGs) in 2015, along with the other 192 United Nations members. In addition, the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) Act came into force in June of 2021. Taken together, these provide a roadmap for all Canadians to work together toward lasting reconciliation and a sustainable resilient future.

During 2021-22, CMN continued to advance sustainable mountain development through engaged, collaborative, interdisciplinary research addressing issues and relationships between mountain environments, economies, and society. As such, CMN's work aligns with and significantly contributes to Canada's commitments under UNDRIP and towards advancing the SDGs.

One CMN strategic initiative, "Braiding United Nations Global Agendas: Supporting the Sustainable Development Goals and the Declaration on the Rights of Indigenous Peoples through the Canadian Mountain Network," builds on previous CMN research in this area. Over the past year, this project continued to explore how the undertakings of CMN are aligned to Federal priorities and intentions for both UNDRIP and the SDGs. Another project milestone achieved over the past year was the establishment of the Technical Advisory Committee (TAC) that is focused on identifying best practices for respectfully braiding knowledge systems.

1. Read the UNDRIP Declaration: www.justice.gc.ca/eng/declaration/read-lire.html
2. SDG website: sdgs.un.org/goals



NEW INITIATIVES

Monitoring

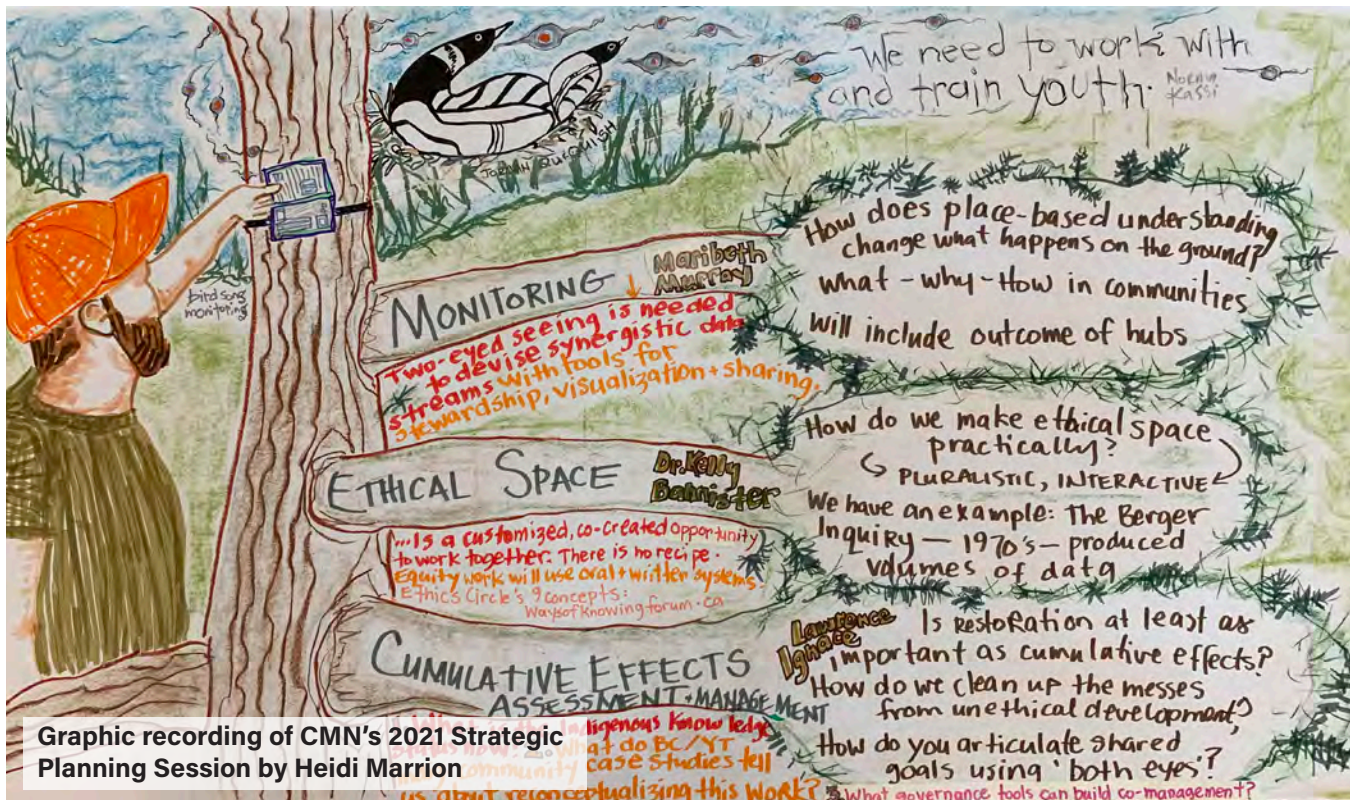
CMN is proud to be funding the Mountain Environment Observation and Monitoring (MEOM) project in 2022. Not only will this project augment and extend existing mountain environment condition monitoring, but it will also build an understanding of the key concerns and needs of mountain-influenced communities about the increasing risks from climate change events. The existing contributions of Indigenous knowledge to understand, predict and respond to environmental conditions is central to the MEOM.

Cumulative effects

Past and present human actions combine to have cumulative effects that impact mountain environments in complex ways. One CMN project starting in 2022 will focus on reconceptualizing cumulative effects. One specific project goal is to determine the challenges and opportunities to enhance cumulative effects assessment and management by including an Indigenous perspective. This perspective will be supported by case studies from Indigenous communities in British Columbia and the Yukon.

Ethical space

Implementing the paradigm shift associated with braiding Indigenous and Western academic and scientific ways of knowing requires identifying and overcoming barriers to success. This project sees CMN directly addressing one of the largest barriers to knowledge braiding — the long-standing ethical dilemma of how to share and exchange Indigenous knowledge while protecting Indigenous knowledge from unwanted (although often unintentional) misinterpretation, misrepresentation and misappropriation. In 2022, CMN is moving forward to create and support an ethical space of engagement and to develop tools for ethical awareness in CMN research, training and knowledge mobilization activities.



Graphic recording of CMN's 2021 Strategic Planning Session by Heidi Marrion

OUR WORK TOGETHER: KNOWLEDGE MOBILIZATION

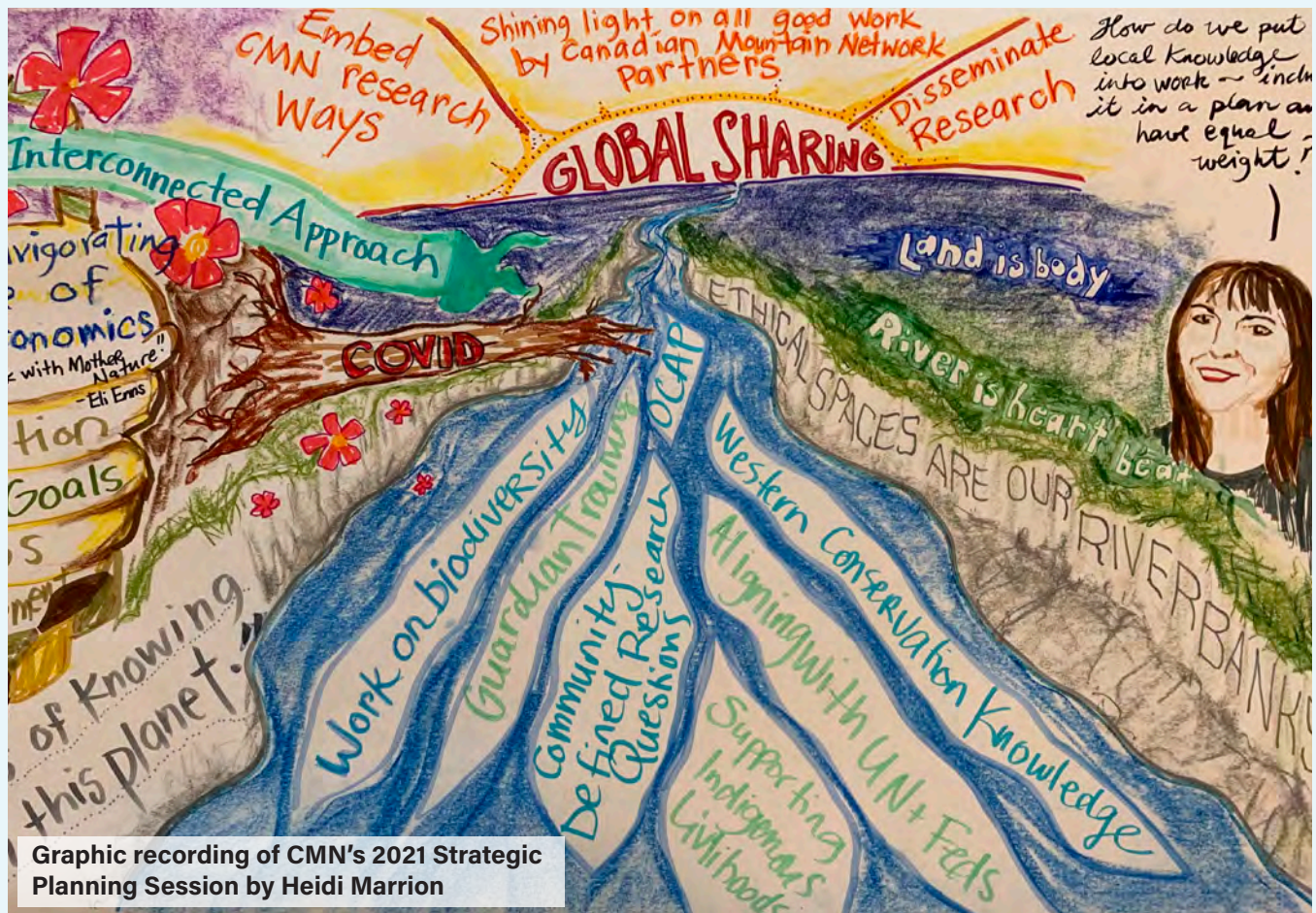
Research is most meaningful when it is extensively shared. Over the past year, CMN has been active in its work to mobilize knowledge, ensuring that the maximum benefit is derived from all of its projects and initiatives.

Knowledge Sharing Summit

CMN hosted its first Knowledge Sharing Summit in June of 2021. This Summit engaged the CMN community of research teams, Indigenous organizations and communities, and business and not-for-profit partners to showcase CMN's work over the past year. The Summit also created opportunities for networking and collaboration despite the challenge of being hosted in a virtual format.

Strategic Planning Session

This past year brought CMN to the end of its existing Strategic Plan. This, coupled with the vision of evolving CMN into its next stage, culminated in a Strategic Planning Session to define CMN's future path. The Strategic Planning Session was anchored in the opportunity to reflect on its existing strengths, impacts, and successes, while also assessing areas for growth. The output from this work formed the basis of the CMN's new Strategic Plan, one that sets the stage for CMN's future successes and impacts.



Graphic recording of CMN's 2021 Strategic Planning Session by Heidi Marrion

Setting the footprint for the future: CMN's new Strategic Plan to launch in April 2022

CMN was established in 2019 with the support of a five-year grant from the Government of Canada's Networks of Centres of Excellence (NCE) Program. While the focus of CMN's work is mountain research, CMN has simultaneously advanced the understanding of how to effectively and ethically braid Indigenous and Western knowledges and world views in order to better understand mountain people and places along with the social, environmental, economic and cultural influences on them.

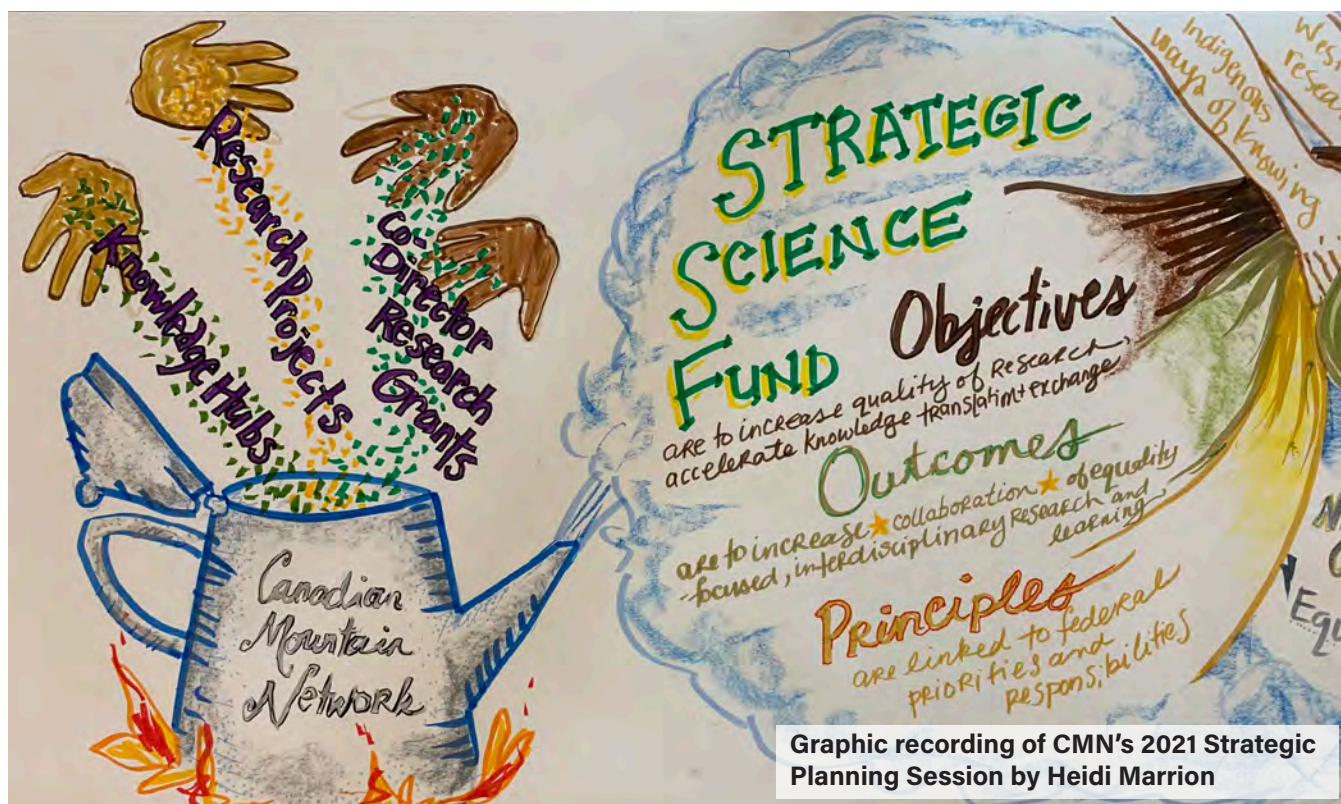
The new Strategic Plan extends CMN's focus and vision into the future and lays out a path supporting its current NCE identity. The plan lays out a strategic path supporting the continuation and expansion of CMN's work to ethically braid Indigenous and Western ways of being. It is with great anticipation that CMN starts on this new journey as of April 2022.

CMN's future: Strategic Science Fund application

CMN is building on its ground-breaking work of braiding Indigenous and Western knowledges in order to ethically advance the understanding of Canadian ecosystems via an application to the Government of Canada's Strategic Science Fund (SSF). The SSF is Canada's source for funding independent science and research not-for-profit organizations and is designed to support research, training and knowledge mobilization initiatives that are aligned with federal priorities and led by not-for-profit organizations.

CMN has proposed an organization-wide rebrand in 2024 to "Braiding Knowledges Canada" (BKC), expanding its current scope beyond mountain regions while honouring the original focus on place-based, Indigenous-led research that braids knowledges through the successful Reconciliation Through Research model.

CMN has submitted a Letter of Intent (LOI), with the help of its supporters and partners, for 5 years of funding totaling over \$81M to support this transition. The next step will be to submit the full application, upon invitation from the SSF.



Network activity highlights

As of March 31st, 2022

Total communications reach

151 countries (see heat map)

Communications subscribers

9,542

Annual website visitors*

21K

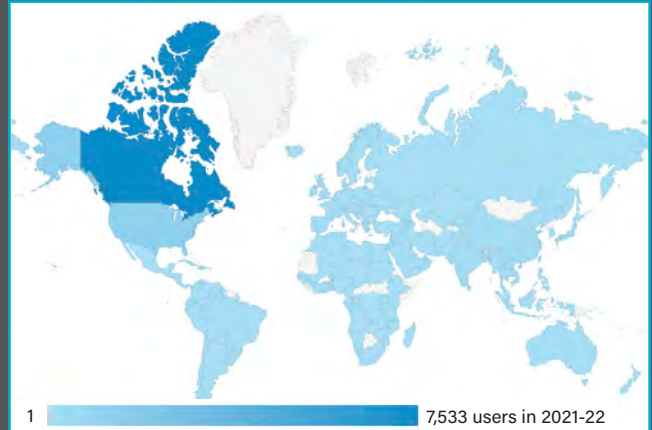
*As the CMN website is now General Data Protection Regulation compliant, analytics are a subset of current website visitors

Article views

5.5M

Unique publications, technologies, innovations produced by CMN-supported research teams

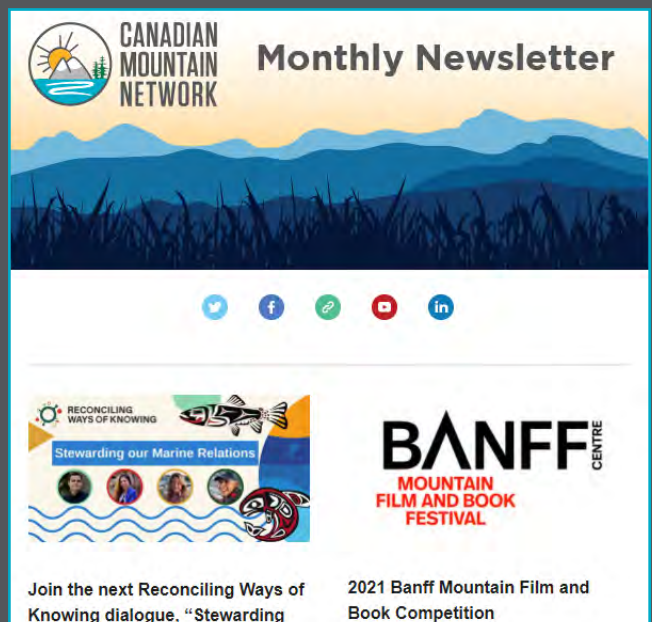
147



Heat map of CMN's communications reach / number of users per country)



CMN and Reconciling Ways of Knowing's joint event for International Mountain Day



CMN's monthly newsletter

REACHING BEYOND MOUNTAINS

Mountain systems impact Canadians living both near and far from them, through connections with watersheds, rivers, the movement of wildlife, and human cultures and ways of life. CMN is working together with Indigenous knowledge holders and Western scientists to improve public and policy-maker understanding and appreciation of these distinct and iconic landscapes.

We'd like to hear from you! Get involved with CMN

Would you like to know more about CMN and our work? Do you have an idea for how we can work together? We want to hear from you!

Board Chair

Dr. Joe Dragon

Executive Director

Dr. Monique Dubé

Co-Research Directors

Norma Kassi & Dr. Murray Humphries

Canadian Mountain Network

CW-405 Biological Sciences Building

University of Alberta

Edmonton, AB, T6G 2E9

Email: admin@cmn-rcm.ca

Phone: 780-492-8229



Connect with us:

Website: canadianmountainnetwork.ca

Facebook: [@CanadianMountainNetwork](https://www.facebook.com/CanadianMountainNetwork)

Twitter: [@CanMountainNet](https://twitter.com/CanMountainNet)

LinkedIn: www.linkedin.com/school/19127696/admin/

Instagram: www.instagram.com/canmountainnet/



Photo from CMN project: "The Shútagot'ine cultural landscape project" (Glen MacKay)

ANNEXES

Annex A: Our Network

(as of March 21st, 2022)

Network members

Aurora College
Kluane First Nation
Torngat Wildlife, Plants and Fisheries Secretariat
Sahtú Renewable Resources Board
Simon Fraser University
Mount Royal University
T'Akhu A Tlen Conservancy
University of Alberta
Thompson Rivers University
Université Laval
Université de Montréal
Université de Sherbrooke
University of Saskatchewan
Vancouver Island University
University of Calgary
McGill University
University of Victoria
University of British Columbia
Blackfoot Confederacy Tribal Council
Nîkanêse Wah tzee Stewardship Society
Association de gestion halieutique Mi'gmaq et Malécite (AGHAMM)
The Norwegian University of Life Sciences
University of Waterloo
Université du Québec à Chicoutimi
Université du Québec à Trois-Rivières
IISAAK OLAM Foundation
Porcupine Caribou Management Board
University of Edinburgh
Council of Yukon First Nations

Board of Directors

Dr. Joe Dragon (Chair)
Kelly Sloan (Treasurer), Owner, Sloan Leadership Consulting/Odyssey Adventures for Women
Alida Thomas (Secretary), Director of Research and Programs, Kinvest Global
The Hon. Ethel Blondin-Andrew, P.C., Former Member of Parliament for Western Arctic/Minister of State for Northern Development and Former Chair of the Sahtu Secretariat
Charity Callahan, MBA, ICD.D, Director, Callahan Services Inc.
Laurel Carlton, Founder and Principal, Summit in Stride
Dr. Walter Dixon, Associate Vice President, Research and Priority Initiatives, University of Alberta
Paulette Fox, President/Owner, Harmony Walkers Inc.
Lynne Hately, Director, Development and Communications (Alberta), Nature Conservancy of Canada
Lawrence Ignace, PhD Student, University of Victoria
Jocelyn Joe Strack, Indigenous Knowledge Research Chair, Yukon Research Centre, Yukon University
Dr. Maribeth Murray, Executive Director, Arctic Institute of North America
Dr. Niall O'Dea, Senior Assistant Deputy Minister, Strategic Policy, Fisheries & Oceans Canada
Dr. Mark Prystupa, General Manager, Indigenous and Community Relations, Suncor Energy Inc.
Wendy Wan, Senior Consultant, Humanity Financial Management Inc.

Governance Committee

Alida Thomas (Chair), Director of Research and Programs, Kinvest Global

Charity Callahan, MBA, ICD.D, Director, Callahan Services Inc.

Laurel Carlton, Founder and Principal, Summit in Stride

Dr. Joe Dragon (ex officio)

Paulette Fox, President/Owner, Harmony Walkers Inc.

Lawrence Ignace, PhD Student, University of Victoria

Finance, Audit and Risk Committee

Kelly Sloan (Chair), Owner, Sloan Leadership Consulting/Odyssey Adventures for Women

Dr. Joe Dragon (ex officio)

Lynne Hatley, Director, Development and Communications (Alberta), Nature Conservancy of Canada

Dr. Mark Prystupa, General Manager, Indigenous and Community Relations, Suncor Energy Inc

Wendy Wan, Senior Consultant, Humanity Financial Management Inc.

Research Management Committee

Andrew Applejohn (Chair), Senior Science Advisor, Department of Environment and Natural Resources, Government of the Northwest Territories

Dr. Joe Dragon (ex officio)

Paulette Fox, President/Owner, Harmony Walkers Inc.

Meagan Grabowski, Meagan Grabowski Consulting, Researcher, Biologist and Yukon University Instructor

Dr. Eric Higgs, Professor and former Director of the School of Environmental Studies, University of Victoria

Dr. Murray Humphries, CMN co-Research Director & McGill Northern Research Chair/Director, Center for Indigenous Peoples' Nutrition and Environment (CINE), McGill University (ex officio)

Lawrence Ignace, PhD Student, University of Victoria

Mary Jane Johnson, Lhu'ààn Mân Ku Dañ Elder

Norma Kassi, CMN co-Research Director; Adjunct Professor, McGill University; Principle, Kassi Consulting (ex officio)

Dr. Julia Klein, Professor, Department of Ecosystem Science & Sustainability, Colorado State University and Head of the Mountain Sentinels Network

Marlin Legare, Research Associate, Morning Star Lodge, a lab of the University of Saskatchewan College of Medicine's Indigenous Peoples' Health Research Centre

Dr. Cathryn Ryan, Associate Dean of Research, Faculty of Science, University of Calgary

Indigenous Circle of Advisors

Andrew Applejohn, Senior Science Advisor, Department of Environment and Natural Resources, Government of the Northwest Territories

Dr. Joe Dragon

The Hon. Ethel Blondin-Andrew, P.C., Former Member of Parliament for Western Arctic/Minister of State for Northern Development and Former Chair of the Sahtu Secretariat

Paulette Fox, President/Owner, Harmony Walkers Inc.

Dr. Adam Gaudry, Associate Professor, Faculty of Native Studies

Lawrence Ignace, PhD Student, University of Victoria

Jocelyn Joe Strack, Indigenous Knowledge Research Chair, Yukon Research Centre, Yukon University

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Norma Kassi, CMN co-Research Director; Adjunct Professor, McGill University; Principle, Kassi Consulting

Marlin Legare, Research Associate, Morning Star Lodge, a lab of the University of Saskatchewan College of Medicine's Indigenous Peoples' Health Research Centre

Network Staff

Dr. Monique Dubé, Executive Director

Norma Kassi, Co-Research Director

Dr. Murray Humphries, Co-Research Director

Charity Akinseloyin, Financial Administrator

Matthew Berry, Strategic Advisor

Kirsten Bowser, Scientific Engagement
Coordinator

Dr. Jen Feikes, Controller

Kimberley Harbour, Communications and Events
Coordinator

Nicole Olivier, Programs Manager

Hannah Ordway, Governance Coordinator

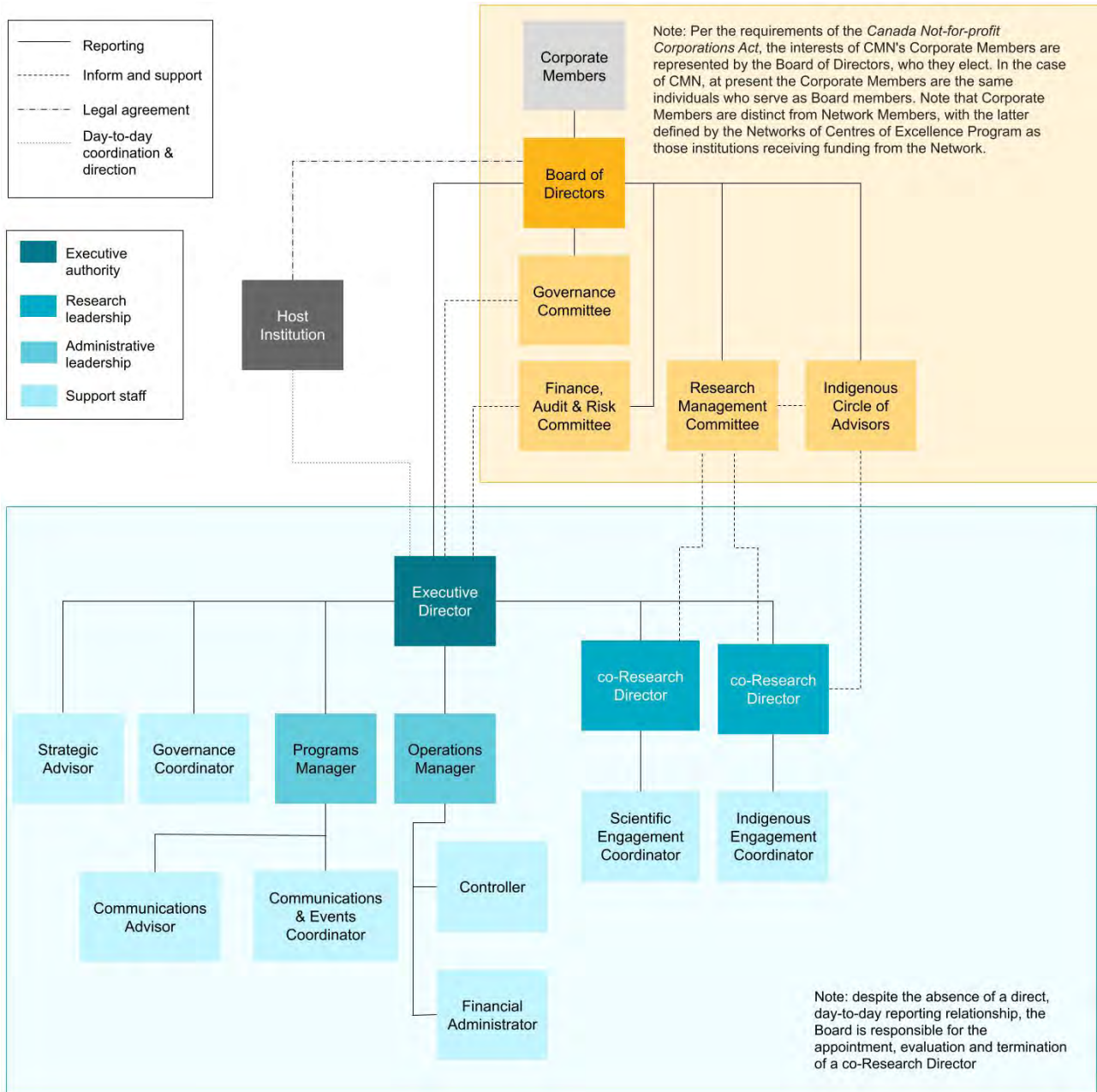
Dr. Alexa Scully, Land-based Learning Coordinator

Ainsley Sykes, Operations Manager

Sam Titze, Indigenous Outreach and Engagement
Assistant

Annie Webb, Communications Advisor

CMN Organizational Chart



Annex B: 17 Research Projects in CMN's first Call for Proposals

1. **Bringing research home: Reclaiming research to tell the story of climate change in the Kluane First Nation Traditional Territory**

Principal Investigator: Kate Ballegooyen (Natural Resources Manager/Lands Resources and Heritage, Kluane First Nation, Burwash Landing)

Research location: Kluane First Nation Traditional Territory, Yukon Territory.

2. **Co-creation of a governance structure: The case of a recreo-tourism development in Mont-Orford**

Principal Investigator: Dr. Laurent Bourdeau (Professor, Department of Geography, Laval University)

Research location: Mont-Orford region, Québec.

3. **Effects of climate change and human activities on mountain species and ecosystems**

Principal Investigator: Dr. Stan Boutin (Professor, Department of Biological Sciences, University of Alberta)

Research locations: British Columbia and Yukon Territory.

4. **Enhancing the reintroduction of plains bison through the inclusion of cultural monitoring and traditional knowledge in Banff National Park**

Principal Investigator: William Snow (Consultation Manager, Stoney Tribal Administration)

Research location: Banff National Park, Alberta.

5. **Explore, describe and develop a methodology to best account Indigenous perspectives on the value of land guardianship in mountain regions and the contributions to the biodiversity and well-being of their Nations**

Principal Investigator: Norma Kassi, CMN co-Research Director & Adjunct Professor, Faculty of Science, McGill University

Research locations: Yukon, Northwest Territories, British Columbia, Quebec, Newfoundland & Labrador.

6. **From the mountains to our tables: Freshwater security in three Canadian eastern Rocky Mountain watersheds**

Principal Investigator: Dr. Vincent St. Louis (Professor, Department of Biological Sciences, University of Alberta)

Research locations: Banff National Park and Jasper National Park, Alberta.

7. **Indigenous land rights in Canada and New Zealand: Sustainable protected areas in rural and mountain environments**

Principal Investigator: Dr. Courtney Mason (Associate Professor & Canada Research Chair in Rural Livelihoods and Sustainable Communities, Thompson Rivers University)

Research locations: Alberta (Banff National Park, Jasper National Park, Yoho National Park); Northwest Territories (Mackenzie Bison Sanctuary); and New Zealand (Urewera National Park).

8. **Łingít Kusteeyí (Tlingit way of life): Revitalizing Tlingit law for land and wildlife**

Principal Investigator: Dr. Aimee Schmidt (Executive Director, T'akhu Â Tlèn Conservancy)

Research location: Taku River Tlingit Traditional Territory, British Columbia and Yukon Territory.

9. **Long-term monitoring of harvested mountain ungulates to improve their conservation and sustainable use**

Principal Investigator: Dr. Marco Festa-Bianchet (Professor, Department of Biology, University of Sherbrooke)

Research locations: Yukon Territory, the Northwest Territories, British Columbia, and Alberta.

10. **Managing groundwater resources in mountainous areas: Planning for and adapting to drought conditions**

Principal Investigator: Dr. Diana Allen (Professor, Earth Sciences, Simon Fraser University)

Research location: Okanagan Basin, British Columbia.

11. Mineral dust dynamics and climate change at high latitude mountainous regions

Principal Investigator: Dr. James King (Assistant Professor in Geomorphology Wind Erosion Lab, Department of Geography, University of Montreal)

Research location: Łhù'ààn Mân (Kluane Lake), Yukon Territory.

12. Mobilizing mountain metrics that matter: Inuit-led environment and health monitoring in the Mealy Mountains National Park Reserve

Principal Investigator: Jamie Snook, Torngat Wildlife, Plants, and Fisheries Secretariat

Research location: Mealy Mountains, Labrador.

13. Níó Nę P'ęñę - Trails of the mountain caribou: Renewing Indigenous relationships in conservation

Principal Investigator: Leon Andrew (Shúhtagot'įnę Elder/Ancien, Tulít'a Dene Band, Sahtú Renewable Resources Board)

Research location: Mackenzie Mountains, Yukon Territory and the Northwest Territories.

14. The mountain risk knowledge exchange - Building risk management capacity and resilience in mountain communities

Principal Investigator: Dr. Glyn Williams-Jones (Co-Director, Centre for Natural Hazards Research / Professor, Volcanology, Simon Fraser University)

Research locations: Lil'wat Nation/Squamish-Lillooet Regional District, British Columbia; various Nunavut communities.

15. The Shútagot'ine cultural landscape project

Principal Investigator: Glen MacKay (Territorial Archaeologist, Cultural Places Program, Government of the Northwest Territories)

Research location: Mackenzie Mountains, Northwest Territories.

16. The View from 2117: Human actions, consequences and perspectives on mountain regions

Principal Investigator: Dr. Pamela Shaw (Research Director, Mount Arrowsmith Biosphere Region Research Institute, Vancouver Island University)

Research location: Mount Arrowsmith Biosphere Reserve, British Columbia.

17. Hills thought to be mountains: the biocultural value of island highlands in the continental plains

Principal Investigator: Dr. Murray Humphries, CMN co-Research Director & McGill Northern Research Chair/Director, Center for Indigenous Peoples' Nutrition and Environment (CINE), McGill University.

Research locations: Canada's continental plains (Northwest Territories, Alberta, Saskatchewan, Manitoba, Ontario and Quebec)

Annex C: Seven Knowledge Hubs in CMN's second Call for Proposals

1. Developing Knowledge on the Status of Aquatic Ecosystems in the Chic-Choc Mountains (CREA-CC)

Knowledge Leaders:

- Catherine Lambert, Executive Director, Mi'kmaq Maliseet Aboriginal Fisheries Management Association
- Louise Chavarie, Associate Professor, The Norwegian University of Life and Sciences

Research location: Chic-Choc Mountains, Gaspésie, Quebec.

2. Blackfoot Guardianship of East Slope Watershed and Weaving Blackfoot Values with Science

Knowledge Leaders:

- Kimmy Houle, Blackfoot Confederacy Tribal Council, Member of the Kainai Nation (Blood Tribe)
- Laura Lynes, The Resilience Institute

Research location: Rocky Mountain East Slopes, Alberta.

3. Rekindling Indigenous-Led Land Stewardship and Cultural Connections in the Rockies

Knowledge Leaders:

- Clayton Lamb, University of British Columbia;
- Chief Roland Willson, Chief, West Moberly First Nations + Níkanêse Wah tzee Stewardship Society

Research location: Northern and central Rocky Mountains of British Columbia and Alberta.

4. Nió Nę P'ęñę (NNP) - Trails of the Mountain Caribou

Knowledge Leaders:

- Leon Andrew, Living on the Land Forum, Sahtú Renewable Resources Board, Nááts'ı̨ch'oh National Park Reserve
- Deborah Simmons, Sahtu Renewable Resources Board

Research location: Sahtú Region of the Northwest Territories.

5. Ecological Change and Livelihoods in the Porcupine Caribou Summer Range

- Deana Lemke, Porcupine Caribou Management Board
- Trevor Lantz, University of Victoria

Research location: Northern Yukon and the Richardson Mountains of the Northwest Territories.

6. Indigenous and Western Knowledge Systems to Revitalize Connection to Yukon Salmon Culture

Knowledge Leaders:

- Elisabeth MacDonald, Council of Yukon First Nations
- Dennis Zimmermann, Big Fish Little Fish Consultants Organizations

Research location: Yukon Territory.

7. Pacific Indigenous Protected and Conserved Area (IPCA) Innovation Centre

Knowledge Leaders:

- Eli Enns, IISAAK OLAM Foundation
- Pamela Shaw, Vancouver Island University

Research location: Pacific Coast mountain regions of British Columbia.



Connecting to the land at Moose Lake / CMN project *Lingit Kusteeyi* (Tlingit Way of Life): Revitalizing Tlingit Law for Land and Wildlife
Credit: Aimee Schmidt

Canadian Mountain Network

Financial Statements

March 31, 2022



Independent auditor's report

To the Members of Canadian Mountain Network

Our opinion

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of Canadian Mountain Network (the Network) as at March 31, 2022 and the results of its operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

What we have audited

The Network's financial statements comprise:

- the statement of financial position as at March 31, 2022;
- the statement of operations for the year then ended;
- the statement of changes in net assets for the year then ended;
- the statement of cash flows for the year then ended; and
- the notes to the financial statements, which include significant accounting policies and other explanatory information.

Basis for opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Independence

We are independent of the Network in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada. We have fulfilled our other ethical responsibilities in accordance with these requirements.

Responsibilities of management and those charged with governance for the financial statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

PricewaterhouseCoopers LLP
Stantec Tower, 10220 103 Avenue NW, Suite 2200, Edmonton, Alberta, Canada T5J 0K4
T: +1 780 441 6700, F: +1 780 441 6776



In preparing the financial statements, management is responsible for assessing the Network's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Network or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Network's financial reporting process.

Auditor's responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Network's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Network's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Network to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.



We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

PricewaterhouseCoopers LLP

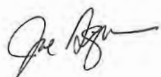
Chartered Professional Accountants

Edmonton, Alberta
September 13, 2022

Canadian Mountain Network
Statement of Financial Position
As at March 31, 2022

	<u>2022</u>	<u>2021</u>
Assets		
Current assets		
Cash and cash equivalents	\$ 628,947	\$ 574,813
Grants receivable	-	110,518
Miscellaneous receivables	2,268	-
Prepaid expenses	3,426	4,763
Due from Network Host (note 3)	5,746,194	7,338,594
	<u>\$ 6,380,835</u>	<u>\$ 8,028,688</u>
Liabilities		
Current liabilities		
Accounts payable and accrued liabilities	\$ 42,839	\$ 66,660
Deferred revenue (note 4)	6,337,996	7,962,028
	<u>6,380,835</u>	<u>8,028,688</u>
Net assets		
Unrestricted net assets	<u>-</u>	<u>-</u>
	<u>\$ 6,380,835</u>	<u>\$ 8,028,688</u>

Approved by the Board of Directors



Joe Dragon, Director



Kelly Sloan, Director

The accompanying notes are an integral part of these financial statements.

Canadian Mountain Network
Statement of Operations
For the year ended March 31, 2022

	<u>2022</u>	<u>2021</u>
Revenues		
Grants (note 4)	\$ 4,849,506	\$ 3,800,652
Contributed goods and services (note 5)	-	45,713
	<u>4,849,506</u>	<u>3,846,365</u>
Expenditures		
Funding distributions	3,414,915	2,518,014
Staff payroll, contracts and benefits	809,457	765,537
Consulting fees	483,423	319,411
Promotion and sponsorships	71,912	168,580
Equipment and software	16,932	30,337
Professional fees	22,109	21,564
Insurance	10,180	8,600
Office	9,195	5,938
Travel	4,833	5,309
Other	6,500	3,075
Meeting	50	-
	<u>4,849,506</u>	<u>3,846,365</u>
Excess of revenues over expenditures for the year	<u>\$ -</u>	<u>\$ -</u>

The accompanying notes are an integral part of these financial statements.

Canadian Mountain Network
Statement of Changes in Net Assets
For the year ended March 31, 2022

	<u>2022</u>	<u>2021</u>
Balance - Beginning of year	\$ -	\$ -
Excess of revenues over expenditures for the year	-	-
Balance - End of year	<u>\$ -</u>	<u>\$ -</u>

The accompanying notes are an integral part of these financial statements.

Canadian Mountain Network
Statement of Cash Flows
For the year ended March 31, 2022

	<u>2022</u>	<u>2021</u>
Cash provided by (used in)		
Operating activities		
Excess of revenues over expenditures for the year	\$ -	\$ -
Non-cash items		
Amortization	-	5,434
Changes in non-cash working capital items		
Grants receivable	110,518	24,284
Accounts receivable	(2,268)	-
Prepaid expenses	1,337	145,402
Accounts payable and accrued liabilities	(23,821)	(193,013)
Due from Network Host	1,592,400	73,881
Deferred revenue	(1,624,032)	487,515
	<u>54,134</u>	<u>538,069</u>
Increase in cash and cash equivalents during the year	54,134	543,503
Cash and cash equivalents - Beginning of year	<u>574,813</u>	<u>31,310</u>
Cash and cash equivalents - End of year	<u>\$ 628,947</u>	<u>\$ 574,813</u>
Cash and cash equivalents comprise:		
Short-term interest bearing deposits	\$ 15,000	\$ 5,000
Cash	613,947	569,813
	<u>\$ 628,947</u>	<u>\$ 574,813</u>

The accompanying notes are an integral part of these financial statements.

1 Nature of operations

Canadian Mountain Network (the Network) was incorporated on January 25, 2019 to support the resilience and health of Canada's mountain peoples and places through research partnerships based on Indigenous and Western ways of knowing that inform decision-making and action. Under the funding agreements between the Network, the Government of Canada's Networks of Excellence (NCE) program and the University of Alberta (the Network Host), the Network is allowed to incur expenses against the funds provided. These funding agreements expire March 31, 2024 (note 7).

The Network is a not-for-profit organization and, accordingly, is exempt from income tax in accordance with Section 149(1)(e) of the Canadian Income Tax Act and Section 35 of the Alberta Income Tax Act.

2 Summary of significant accounting policies

Basis for presentation

These financial statements have been prepared by management in accordance with Canadian accounting standards for not-for-profit organizations (ASNPO). The preparation of financial statements for a period necessarily includes the use of estimates and approximations, which have been made using careful judgment. Actual results could differ from those estimates. These financial statements have, in management's opinion, been properly prepared within reasonable limits of materiality and within the framework of the accounting policies summarized below.

Revenue recognition

The Network follows the deferral method of accounting for contributions. Externally restricted contributions are recognized as revenue in the year in which the related expense is incurred. Unrestricted contributions are recognized as revenue in the year received or receivable if the amounts to be received can be reasonably estimated and collection is reasonably assured.

Projects funded by the Network receive cash and in-kind contributions of services, personnel and supplies from other funders. These contributions are not recorded in the financial statements of the Network as they are not revenues of the Network.

Contributed goods and services

Contributed goods and services are recorded in the financial statements at fair value on the date contributed when fair value can be reasonably estimated and the contributed goods or services would have otherwise normally been purchased by the Network.

Financial instruments

Financial assets and liabilities are initially recognized at fair value and are subsequently accounted for at amortized cost using the effective interest rate method. Financial assets measured at amortized cost are tested for impairment when there are indicators of impairment.

Cash equivalents

Cash equivalents comprise short-term interest bearing deposits with maturities of three months or less.

3 Due from Network Host

Due from Network Host are amounts held in trust by the University of Alberta in its role as Network Host under an agreement dated March 4, 2019 between the Network and the Network Host. Under the terms of the agreement, the Network Host is responsible for receiving and administering grant funding received from the NCE program and providing administrative support in the disbursement of funds as directed by the Network.

These transactions are in the normal course of operations and are recorded at their exchange amount, which is the amount agreed to by the parties. Due from Network Host is unsecured and non-interest bearing with no set terms of repayment.

	<u>2022</u>	<u>2021</u>
NCE funds held by Network Host	\$ 5,371,514	\$ 6,903,725
Network Host Funds	374,680	434,869
	<u>\$ 5,746,194</u>	<u>\$ 7,338,594</u>

4 Deferred revenue

Funding received in the year includes grants from the NCE program, which are restricted to eligible expenditures under the terms of the grant agreement, funding contributions from the Network Host, and contributions from other Network partners.

Details of the changes in deferred revenue from NCE are as follows:

	<u>2022</u>	<u>2021</u>
Balance - Beginning of year	\$ 7,015,756	\$ 6,863,097
Grant received	3,125,474	3,210,000
Amount recognized as revenue	(4,695,619)	(3,057,341)
Balance - End of year	<u>\$ 5,445,611</u>	<u>\$ 7,015,756</u>

Details of the changes in deferred revenue from other funders are as follows:

	<u>2022</u>	<u>2021</u>
Balance - Beginning of year	\$ 946,272	\$ 605,982
Grant received		
Network Host	100,000	100,000
NSERC	-	584,256
AIP	-	485,000
Others	100,000	3,350
Grant receivable		
Network Host	(100,000)	(100,000)
NSERC	-	(30,801)
Others	-	41,796
Amount recognized as revenue		
Network Host	(59,700)	(59,233)
NSERC	-	(553,455)
Others	(94,187)	(130,623)
Balance - End of year	<u>\$ 892,385</u>	<u>\$ 946,272</u>

	<u>2022</u>	<u>2021</u>
Balance - End of year from NCE	\$ 5,445,611	\$ 7,015,756
Balance - End of year from other grantors	892,385	946,272
	<u>\$ 6,337,996</u>	<u>\$ 7,962,028</u>

5 Contributed goods and services

The Network Host provides certain administrative services, office space and services of a Network Scientific Director for which no revenue or expense is recognized in these financial statements.

In the prior year, contributed goods and services totalling \$45,713 related to \$40,279 in salaries and benefits paid on behalf of the Network by University of Calgary and \$5,434 in equipment costs contributed by the Network Host.

6 Financial instruments

Financial instruments consist of cash and cash equivalents, miscellaneous receivables, due from Network Host and accounts payable and accrued liabilities. Due to the short-term nature of these instruments, the carrying value approximates fair value. The Network is exposed to various risks through its financial instruments. The following provides a measure of the Network's exposures and concentrations as at March 31, 2022. Unless otherwise noted, it is management's opinion that the Network is not exposed to significant credit, liquidity or interest rate risk.

Liquidity risk

Liquidity risk is the risk the Network will not be able to meet its obligations as they fall due or to fund any commitments the Network has planned. The Network is exposed to this risk mainly in respect of its accounts payable and accrued liabilities. The Network manages liquidity risk through management of its capital structure in conjunction with cash flow forecasting including anticipated investing and financing activities.

Credit risk

The Network is exposed to credit risk related to miscellaneous receivables and due from Network Host. The Network monitors the balance due from Network Host and does not consider that it is exposed to significant credit risk due to the creditworthiness of the Network Host.

7 Economic dependence

The operations of the Network are primarily dependent on NCE funding received from the Government of Canada and ongoing support from the University of Alberta in its role as the Network Host. The current funding agreement with NCE and the Network Host will end on March 31, 2024. Management is currently working collaboratively with the Board of Directors to establish sustainable funding models for the organization based on NCE precedents and other identified opportunities.

8 COVID-19

In March 2020, the World Health Organization declared a global pandemic due to the novel coronavirus (COVID-19). COVID-19 has resulted in numerous health advisories and restrictions imposed by health officials, which in turn has reduced or cancelled certain activities provided by the Network including field research activities and in-person conferences through the fiscal year ended March 31, 2022. While the Network has taken proactive measures to deliver its operations safely and reliably during this pandemic, given the ongoing dynamic nature of the circumstances surrounding COVID-19, the impact of this pandemic on the Network's activities remains uncertain.

9 Subsequent events

On February 24, 2022, Russian forces invaded Ukraine, resulting in an armed conflict and economic sanctions on Russia. The war has affected economic and global financial markets and exacerbated the ongoing economic challenges, including inflation and global supply chain disruptions.

It is not possible to reliably estimate the length and severity of these developments and the impact on the financials results and condition of the Network in future periods.



**CANADIAN
MOUNTAIN
NETWORK**

An initiative of Canada's granting agencies



Government of Canada
**Networks of Centres
of Excellence**

Gouvernement du Canada
**Réseaux de centres
d'excellence**

Host institution



**UNIVERSITY OF
ALBERTA**

Sustaining partners



**UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE**



**UNIVERSITY OF
CALGARY**



McGill

Program partners

Mitacs



**MOUNTAIN
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BANFF
CENTRE
MOUNTAIN
FILM AND BOOK
FESTIVAL



**CANADIAN
Geographic**

**THE ROYAL
CANADIAN
GEOGRAPHICAL
SOCIETY**



**LA SOCIÉTÉ
GÉOGRAPHIQUE
ROYALE DU
CANADA**

Mountain Partnership



**RECONCILING
WAYS OF KNOWING**



**FULBRIGHT
Canada**



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

Canada