



FULL APPLICATION SUMMARY

WHY WE NEED A NETWORKS OF CENTRES OF EXCELLENCE IN MOUNTAINS

Canada is a country of mountains. They watch over a quarter of our land mass and—whether described in terms of plate tectonics, watersheds, ecosystem services, or sacred places—are essential to the environmental, economic, spiritual, socio-cultural identity, and well-being of Canada’s diverse peoples.

Consider, for example, that mountains are the water towers of the world, sourcing water for approximately half of humanity, and that in North America alone they collect 2/3rds of the continental snowpack so essential to streamflow generation. Consider also that many of Canada’s First Nations and Inuit communities live in or near mountains. However, mountain landscapes and communities, and places downstream are facing unprecedented change pressured by: climate change; local, regional, and globally-driven shifts in industrial, economic or recreational activities; and the increased movement of people within and through mountains. These changes are occurring within the broader context of Canada’s efforts to build new governance models that recognize Indigenous ways of knowing and doing in an age of reconciliation.

Canada has considerable expertise in mountain research and has endorsed international agreements that require mountain ecosystem conservation and sustainability. However, Canadian mountain research today is not coordinated or interdisciplinary, and non-academics are rarely involved in its prioritization, design, and implementation. This creates barriers to informed decision-making and action through policies or practices.

It is urgent that Canada coordinate its mountain research agenda and programs to improve research outcomes and better enable their effective and comprehensive application and use.

The Canadian Mountain Network (CMN) is an alliance of partners from universities, governments, Indigenous and non-Indigenous communities, not-for-profits, and businesses dedicated to the sustainability of mountain environments and communities across the country and around the world. CMN was established in January 2016 to collaboratively address the diverse challenges facing mountain regions by harnessing existing capacities and seeking new research relationships between Indigenous and non-Indigenous researchers and communities. Our aim is for CMN to become a national and global leader in inclusive, co-designed, interdisciplinary mountain-research that recognizes the interconnectedness in mountain systems between the environment, economy, and society, and encourages an integrated approach for long-term sustainability that serves the needs of mountain communities. In 2018, we submitted a proposal to the Networks of Centres of Excellence competition for a grant equal to \$25 million over five years, with the potential for an additional two more funding cycles of the same time frame and funding envelope.



WHAT WE HEARD FROM MOUNTAIN COMMUNITIES & EXPERTS

After 2 YEARS of mountain partner & stakeholder consultation, 4 CHALLENGES were identified and resulted in

CHALLENGE #1

Colonial policy continues to impact relationships between Indigenous (hereafter to include First Nations, Inuit, and Métis) and non-Indigenous Peoples and the vibrancy of cultures in Canada's mountain communities. CMN will explore the sociocultural, economic, and ecological relationships between mountain people and places that have shaped cultures and communities in order to understand the broader context needed to inform decisions and advance reconciliation.

CHALLENGE #2

Mountain conditions are changing rapidly due to climate change, population growth, and resource development that affect cultural landscapes, human safety and infrastructure, land management decisions, livelihoods, and ways of life. CMN research will establish Canada as a leader in understanding these changes and their consequences in support of the resilience of mountain communities and economies.

CHALLENGE #3

Indigenous ways of knowing and doing are often not reflected in research and decision-making, which is now primarily influenced by scientific models of knowledge generation and non-Indigenous governance practices. Working with Indigenous partners, academics, and decisionmakers from across the country, CMN will advance new models and strategies that reflect an Indigenous understanding of, and relationship to, mountain regions.

CHALLENGE #4

Mountain communities seek diverse and resilient economies. CMN will work with the Mountain Municipalities Consortium and Indigenous partners on projects aimed at facilitating their longterm sustainability and support their research and related training and knowledge mobilization needs. The leadership of these knowledge endusers and Network members will ensure the development and implementation of locally relevant and evidence based policies and best practices.

OUR STRATEGIC APPROACH TO ADDRESS THE CHALLENGES

OUR VISION

All Canadians benefit from state-of-the-art research, tools, and training that embody multiple ways of knowing so that decision-making and action enhance the sustainability and well-being of our mountain places and peoples

3 OPERATIONAL GOALS

GOAL 1 Coordinate and translate Canada's mountain research into the development of timely knowledge, tools, policies, and practices that support the realization of its vision.

GOAL 2 Include the diverse voices of all mountain peoples and communities into all aspects of the Network.

GOAL 3 Promote multiple ways of knowing and doing: "learning to see from one eye with the strengths of Indigenous knowledges and ways of knowing, and from the other eye with the strengths of Western knowledges and ways of knowing ... and learning to use both these eyes together, for the benefit of all" (Mi'kmaw Elder Albert Marshall, '04)

OBJECTIVES
that guide
priorities
during the
first 5 years

In Network Management:

- a) Establish the Indigenous Circle of Advisors (ICA), and have Indigenous leaders sit on the Board of Directors and the Research Management Committee (RMC) and advise on research themes; thereby including Indigenous perspectives and ensuring their influence;
- b) Utilize leading-edge business practices to facilitate effective Network communication and develop strategic plans and policies for internal and external communication, planning, operations, and financial management;
- c) Collaborate with, learn from, and contribute to global mountain initiatives by leveraging the advice and professional networks of the International Advisory Council (IAC).

In the Research Program:

- a) Accelerate critical research by supporting exceptional, high impact, multidisciplinary projects within and between CMN's research themes: Cultural Landscapes, Ecosystems, Hazards, Indigenous Governance and Land Management, and Livelihoods;
- b) Build a strong Indigenous-led research program and support strong partnership-driven research;
- c) Promote a vibrant mountain research network by collaborating on key projects with relevant national and international organizations, programs, and projects.

In Training:

- a) Equip highly qualified personnel (HQP) with the skills to utilize Indigenous and scientific methodologies and leverage multiple ways of knowing in their careers;
- b) Provide the support needed to enable the current and the next generation of researchers and professionals to take on socioeconomic and environmental challenges and opportunities in mountain regions by providing them with access to training, mentoring, support structures, and networking events.

In Networking and Partnerships:

- a) Ensure the viability of the Network by building diverse partnerships that support research activities, training, and KTEM;
- b) Build and maintain strong relationships with knowledge users to ensure that new knowledge informs decision-making;
- c) Create a stronger international presence for Canadian mountain research by leading, focusing, coordinating, and promoting Canadian initiatives.

In KTEM:

- a) Foster the multidirectional flow of information between all CMN members by encouraging the inclusion of diverse sectors in all stages of research to ensure effective dissemination and uptake;
- b) Promote the wide availability of CMN outcomes and knowledge through partnerships (i.e., with the Royal Canadian Geographical Society (RCGS)), and by building and maintaining the Canadian Digital Mountain Observatory (CDMO);
- c) Maximize communications and interactions within the national mountain community through CMN's mountain portal and Networked events (e.g., International Mountain Day (IMD), Annual Conference).



RESEARCH THAT RESPONDS TO MOUNTAIN COMMUNITY PRIORITIES

By supporting
**3 MODES of
Research**

Researcher-led

Initiated and led by CMN researchers and supported by other CMN partners

Partnership-driven

Initiated, led and supported by multiple CMN partners

Indigenous-led

Initiated and led by Indigenous communities

addressing
**5 integrative
THEMES**

CULTURAL
LANDSCAPES

ECOSYSTEMS

HAZARDS

INDIGENOUS
GOVERNANCE &
LAND MANAGEMENT

LIVELIHOODS

supported by a
comprehensive
**MOUNTAIN
OBSERVATIONS
program,**

This integrated program will include: observing systems, increased field station capacity, citizen-science, Indigenous Guardians and cultural monitoring programs, and world-class knowledge management, discovery and visualization.

an innovative
**HQP training
program, &**

We will expand the definition of HQP and mentors to include Indigenous youth and traditional knowledge holders and include interdisciplinary and cross-cultural training for the next generation of researchers and mountain decision-makers.

an effective
**KNOWLEDGE
MOBILIZATION
program.**

We will mobilize CMN research outcomes in support of evidence-based decision-making through diverse approaches, including: the Mountain Portal (canadianmountainnetwork.ca), Canadian Digital Mountain Observatory, Mountain Municipalities Consortium, and International Mountain Day events.

PRODUCING OUTCOMES THAT MAKE A DIFFERENCE

Our approach
leads to
networkwide
OUTCOMES with
environmental
and
socioeconomic
benefits for
Canadians.

Add value to existing investments in mountain research by collaboratively designing and building core monitoring and research data management infrastructure. This approach is predicated on serving a broad spectrum of Canadian research and will attract international interest, new partnerships, and investment targeted to address 21st-century mountain challenges.

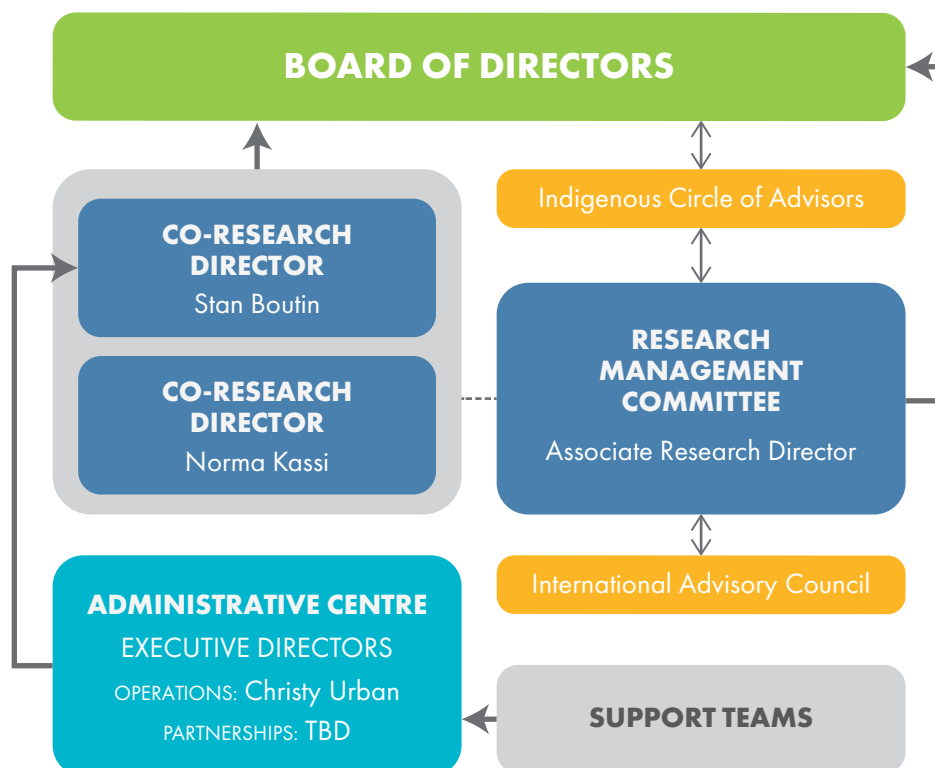
Transform the way Canadians see and understand mountains, including both lands and waters, by bringing together the perspectives of Indigenous and non-Indigenous academic and non-academic mountain experts. This will ensure CMN's research is directly applicable to users and supports advancing reconciliation.

Coordinate Canada's currently scattered mountain research efforts and resources to focus on the pressing priorities of its peoples and communities.

Implement knowledge mobilization programs that support collaborative research and informed decision-making across diverse sectors.

Create innovative training for academics, students, and youth to prepare a new generation of mountain researchers and professionals to bridge cultures, address mountain challenges, and raise awareness of mountain issues and opportunities.

GOVERNANCE



The Board of Directors will consist of experienced and engaged individuals who represent Canada’s diverse geographic regions, user-sectors (i.e.: post-secondary, government, business, non-profit, Indigenous organizations, and community partners), and the international community.

The Leadership Team consists of co-Research Directors Norma Kassi (Vuntut Gwitchin and a member of the Wolf Clan; co-Founder and Director of Indigenous Collaboration at Arctic Institute of Community-Based Research; former Chief of Vuntut Gwich’in First Nation; and former Member of the Yukon Legislative Assembly) and Dr. Stan Boutin (FRSC; Professor, UAlberta; Alberta Biodiversity Conservation Chair; Science Co-Director, Alberta Biodiversity Monitoring Institute), as well as the Executive Director: Partnerships and Executive Director: Operations, who will manage the Network’s Administrative Centre.

The Research Management Committee will inform and implement CMN’s strategic plan through developing and adjudicating calls for proposals, project monitoring, and the fostering of research linkages. The Indigenous Circle of Advisors will provide a majority Indigenous voice to shape strategic planning and adjudicate Mode 3 (Indigenous-led) research projects to ensure credible and durable partnerships with Indigenous communities. Each member will also support Theme Leads to ensure Indigenous involvement in every aspect of the research.

The International Advisory Council consists of five world-class mountain research leaders who will meet annually to advise on the CMN research program and benchmark against international standards.

THE RESEARCH THEMES

Two years of consultations have resulted in a focused research agenda and partners who are committed to transforming research into meaningful actions. To date, CMN's partners come from five provincial and territorial governments, three Government of Canada departments, two regional or national Indigenous organizations, seven First Nations, one Inuit community, 40 universities and colleges, 17 mountain municipalities, and numerous businesses, nonprofits and foundations.

The CMN research program is divided into five multi-disciplinary and inter-related themes. In Cultural Landscapes, Indigenous and non-Indigenous researchers will use Indigenous ways of knowing and doing to understand the relationship between people and mountains. This is necessary context for determining how people interpret, understand, and react to unprecedented changes affecting Ecosystems and risks due to Hazards currently taking place in mountain regions. This, in turn, will form the basis for more informed decisions regarding Indigenous Governance and Land Use and affecting the Livelihoods of people living in and benefiting from mountain resources.

THEME 1: CULTURAL LANDSCAPES

This theme examines how socio-cultural, economic, and ecological relationships between people and mountain places continue to shape Indigenous and non-Indigenous cultures, histories, and communities in Canada. It connects with Challenges 1, 2, and 3 in CMN's vision, and emphasizes Indigenous-led (Mode 3) research that is locally-appropriate, culturally-relevant, and makes a difference in the lives of Indigenous Peoples in and around mountain regions.

This Theme will develop strategies to bring together Indigenous and scientific knowledge and methodologies to enable collaborators to address the complex questions related to mountain ecosystems, human and ecosystems resilience and well-being, and human actions, land management and governance policies. To do so, research will employ methods that consider both colonial histories and Indigenous territory and sovereignty within frameworks of reconciliation, of resurging cultural practices, and of renewing relationships.

THEME 2: ECOSYSTEMS

This theme examines the role of mountains in providing the essential provisioning and regulating ecosystem services that support Canadian communities and economies. It will investigate the importance of, risks to, and trade-offs among the many ecosystem services offered by mountains, including the effects of a changing climate and human activities on these services. Network studies will focus especially on mountains as water towers and cradles of biodiversity, and on the suite of provisioning, regulating, and cultural services that mountain ecosystems offer.

The research pursued by the Network under this Theme will significantly enhance Canada's understanding of the ecosystem dynamics and risks that it will face in mountain regions, with an intention to inform decision-making and sustain the ecological, cultural, social, and economic values provided by mountain ecosystems.

THEME 3: HAZARDS

This theme will examine the hazards and risks that exist in mountain systems in order to make mountain communities and transportation networks safe. The theme addresses Challenge 2, 3, and 4.

Mountains have long been recognized as hazardous environments, requiring special consideration to manage their social, economic, environmental, and cultural risks. Avalanches, landslides, debris flows, floods, earthquake, and volcanic activity are instrumental, either through their primary effects or indirectly, in triggering slope failures, floods, and other catastrophic events. Today, new threats are emerging in Canada's mountains as a result of rapid, climate change-induced events. Addressing this research area is, therefore, urgent and essential as is developing Canada's currently limited capacity to monitor, assess, and mitigate mountain hazards. For Indigenous Peoples, mountain hazards are well referenced in oral tradition and put both cultural landscapes (Theme 1) and livelihoods (Theme 5) at risk, affecting people's ability to pursue traditional practices safely. For First Nation communities, culturally-appropriate disaster response protocols and hazard mitigation plans should build local resilience and demand that local and Indigenous Knowledge is applied.

THEME 4: INDIGENOUS GOVERNANCE AND LAND MANAGEMENT

This theme examines Indigenous Protected Areas, multi-jurisdictional partnerships, and the development of policies that connect diverse communities and economies across Canada's mountain regions. It addresses all four identified challenge areas.

Natural resource development, climate change, and rural depopulation are affecting many communities in isolated rural mountain regions. For Indigenous communities who live in rural, mountainous, and often remote, communities throughout the country, some of these issues are magnified, leading to difficult decisions about the sustainability of their ways of life.

This research will also draw on global examples to understand best practices around management as well as Indigenous legal frameworks and land rights. A critical concentration of this theme will be on the impacts of the displacement of diverse Indigenous communities from parks and protected areas and the multiple contemporary contributions that an Indigenous presence can have in mountain regions. A focus will be on how Indigenous communities and leaders consider parks and protected areas within decisions about the development of their traditional lands in mountain environments.

THEME 5: LIVELIHOODS

This theme examines sustainable development, economic diversification, tourism, and the increased resilience of mountain communities in a changing climate. It also focuses on people and the interdependencies between them and their environments, with emphasis on economic, social, political, and cultural characteristics. The theme addresses all four challenge areas.

This theme will explore the resilience of Indigenous and non-Indigenous communities in utilizing their mountain landscapes for economic vitality and in support of land-based ways of life that thrive in the context of healthy mountain ecosystems. Using multidisciplinary approaches, these projects work to address challenges associated with adaptation and mitigation strategies of mountain communities. The research findings will provide the basis for evidence-based public policy measures that are necessary to help Indigenous Peoples, policymakers, businesses, and not-for-profits meet these challenges.

PROJECTS

THEME 1

The Shútago'ine Cultural Landscape Project (Mode 2).

Glen MacKay (GNWT), Leon Andrew (Tulita Dene Band), Colin Laroque (University of Saskatchewan (USask)), Jackson McDermott (GNWT), Julie Buysse (GNWT), Jurjen van der Sluijs (GNWT), Naomi Smethurst (GNWT).

Nio Nę P'ęņę - Trails of the Mountain Caribou: Renewing Indigenous Relationships in Conservation (Mode 3).

Leon Andrew (Sahtú Renewable Resources Board), Gordon Yakeleya (Tuli t'a ʔehdzo Got'ı ʔņę - Renewable Resources Council), Rhea McDonald (Norman Wells ʔehdzo Got'ı ʔņę - Renewable Resources Council), Norman Sterriah (Ross River Lands Department/Dena Council), Norman Barichello (Ross River Dena Council), Micheline Manseau (Trent University), Deborah Simmons (Sahtú Renewable Resources Board/University of Toronto).

Bringing research home: Reclaiming research to tell the story of climate change in the Kluane First Nation Traditional Territory (Mode 3).

Kate Ballegooyen (Kluane First Nation), Sonia Wesche (University of Ottawa) Arctic Institute of Community-Based Research, Arctic Institute of North America, Carmen Wong (Parks Canada), Brian Horton (Yukon College).

Mobilizing Mountain Metrics that Matter: Inuit-Led Environment and Health Monitoring in the Mealy Mountains National Park Reserve (Mode 3).

Inez Shiwak and Jack Shiwak (Rigolet Inuit Community Government), Ashlee Cunsolo (Labrador Institute); Sherilee Harper (UAlberta); Daniel Gillis (University of Guelph); Charlie Flowers ('My Word' Lab); Jamie Snook (Torngat Wildlife, Plants, and Fisheries Secretariat); and Michele Wood (Nunatsiavut Government).

THEME 2

From the Mountains to Our Tables: Freshwater Security in Three Canadian Eastern Rocky Mountain Watersheds (Mode 1).

Rolf Vinebrooke, Martin Sharp, Alison Criscitiello, Suzanne Tank, Vincent St Louis, Colin Cooke, Maya Bhatia, Mark Poesch, Monireh Faramarzi (UAlberta), Cora Young (York University).

Southern Rockies Watershed Project - Wildfire Effects on Rocky Mountain Water Towers, From Source to Tap (Mode 2).

Uldis Silins (UAlberta), Monica Emelko (University of Waterloo).

The Water Tower Initiative (Mode 1).

William Quinton (Wilfrid Laurier University), Sean Carey (McMaster U), John Pomeroy (USask), Miguel Sioui (Wilfrid Laurier University)

Long-term monitoring of harvested mountain ungulates to improve their conservation and sustainable use (Mode 1).

Marco Festa-Bianchet (Université de Sherbrooke (USherbrooke)), Fanie Pelletier (USherbrooke), David Coltman (UAlberta).

Resolving the connectivity-conflict dynamic for wildlife in the Canadian Rockies (Mode 2).

Adam Ford (UBC), Clayton T Lamb (UAlberta).

PROJECTS

THEME 3

The Mountain Risk Knowledge Exchange - Building Risk Management Capacity and Resilience in Mountain Communities (Mode 1).

Glyn Williams-Jones (Simon Fraser U), Pascal Haegeli (SFU), Uwe Glässer (SFU)

Mineral Dust Dynamics and Climate Change at High Latitude Mountainous Regions (Mode 1).

James King (Université de Montréal (UMontréal)), Daniel Fortier (UMontréal), Thora Hermann (UMontréal), Patrick Hayes (UMontréal), Daniel Nadeau (ULaval), Norman O'Neill (USherbrooke), Julie Talbot (UMontréal)

Canadian Mountain hazards: defining a research agenda based on western and indigenous knowledge and approaches (Mode 2).

John Clague (SFU), Gwenn Flowers (SFU), Tom Andrews (Spruceroot Group Heritage Consulting), ICA, CMN Theme 1, 3, and 5 leads.

THEME 4

Indigenous Land Rights in Canada and New Zealand: Sustainable Protected Areas in Rural and Mountain Environments (Mode 2).

Courtney Mason (Thompson Rivers University), William Snow (Stoney Nakoda Tribal Administration), Lois Philipp (Deh Gáh Elementary & Secondary School), Anna Carr (University of Otago)

The View from 2117: Human Actions, Consequences, and Perspectives on Mountain Regions (Mode 2).

Pamela Shaw, Geraldine Manson, Sylvie Lafreniere, Lindsay McCunn (Vancouver Island University (VIU)), Maureen Reed (USask), Maria In s Paez Ferriera (Instituto Federal de Educação)

Enhancing the reintroduction of Plains Bison through the inclusion of cultural monitoring and traditional knowledge in Banff National Park (Mode 2).

William Snow (Stoney Nakoda Tribal Administration), Gilbert Francis, Lenny Wesley (Bears paw First Nation), Henry Holloway, Charles Powderface (Chiniki First Nation), Charlie Rabbit, Hank Snow (Wesley First Nation).

łingít Kusteeyí (Tlingit Way of Life): Revitalizing Tlingit Law for Land and Wildlife (Mode 3).

Anna Schmidt (Taku River Tlingit First Nation (TRTFN)), Aimee Schmidt (Takhu Atlen Conservancy), Shawna Smith (TRTFN), K'èdukà Jack (TRTFN).

THEME 5

Responding to Climate Change to Sustain Mountain Economies, Communities and Livelihood (Mode 1).

Maik Kecinski, Debra Davidson, Sandeep Mohapatra (UAlberta)

Ski Tourism Futures in an Era of Climate Change (Mode 1).

Daniel Scott (University of Waterloo), Robert Steiger (University of Innsbruck), Michelle Ruty (Michigan State University), Marc Pons (University of Andorra), Carlo Aall (Western Norway Research Institute), Samuel Morin (Snow Research Center at Météo- France), Ghislain Dubois (Université Versailles-Saint-Quentin-en-Yvelines).

Co-Creation of a Governance Structure: The Case of a Recreio-Tourism Development in Mont-Orford (Mode 2).

Laurent Bourdeau (Université Laval (ULaval)), Dominic Lapointe (Université du Québec à Montréal), Alexandra Roy (MRC de Memphrémagog), Pascale Marcotte (ULaval), Isabelle Falardeau (ULaval), Olivier Tremblay-Peck (Cégep de Trois-Rivières/Cégep de Saint-Hyacinthe)

DEVELOPMENT OF HIGHLY QUALIFIED PERSONNEL

Reconciliation & Research Partnerships Course. This face-to-face, two- to three-day travelling course will cover the cultural histories of Canada's mountain peoples and places, multiple ways of knowing, international perspectives and experiences, and the role of strong research partnerships in supporting reconciliation.

Workshop series on reconciliation in research training. This train-the-trainer course will utilize and expand on the materials prepared for the Reconciliation & Partnerships Course. It will build on the recommendations made by the Truth and Reconciliation Commission to advance understanding of how academia can approach reconciliation in the design and delivery of its research and HQP training programs.

Participation in Research. Opportunities for participation in a variety of research project roles will support the development of HQP by helping them apply theory. CMN will provide successful research teams with funds to hire undergraduate, graduate, and summer students; Postdoctoral fellows (PDFs); interns, youth, and mentors; and technical and field staff.

CMN Student Association. CMN will provide resources to support a student-led association through which Network-affiliated students can acquire additional leadership skills and benefit from opportunities to network with CMN participants and mentors, including traditional knowledge holders, industry leaders, and government officials.

Pathways program for Indigenous teens. This program will explore the barriers Indigenous youth in mountain communities face in seeking entry into post-secondary or other training programs, and ways to overcome these barriers through a mix of Indigenous and conventional teachings, role models, and skill development opportunities.

Network-wide Indigenous Scholar Network. This initiative will provide resources for Indigenous students involved in Network-affiliated projects to come together as a community of scholars to access supports targeted to helping these students succeed.

CMN Internships. Over the first five years, up to ten eligible students will be provided with a \$10K stipend to complete two two-month internships over the course of their degree. These internships, with government and Indigenous organizations either at home or abroad, will enable students to work on projects designed to orient them towards careers outside of academia and/or in applied research.

CMN Mentorship Program. Students involved in all CMN-affiliated research projects or internships will be encouraged to develop a formal arrangement with a mentor from outside of academia (e.g., internship host or a research project partner).

Community Orientation Program. Where appropriate, local Liaisons, chosen by CMN and provided with funding support, will introduce and orient academic HQP to the communities where their research is to occur.

KNOWLEDGE AND TECHNOLOGY EXCHANGE AND MOBILIZATION

CMN's Knowledge Mobilization approach recognizes both the breadth of the proposed research and how it will serve the Network's members, knowledge users, and the Canadian public. It will enable solution-oriented research to be used for decision-making and action by leading to innovative policies and practices.

Customized Products and Events for Decision-makers will be developed to convey the social, economic, health, environmental, and wellness-related findings of research.

The Mountain Municipalities Consortium will strengthen member communities through evidence-based research and decision-making, as well as facilitate knowledge mobilization and training through state-of-the-art assessments, workshops, an internship program, and the annual Mountain Mayors Forum that will bring together leaders of mountain municipalities from across Canada.

The Mountain Portal is Canada's first bilingual mountain research website and information exchange service. This website, www.canadianmountainnetwork.ca, already offers mountain research news and plain language research summaries; leverages social media and a newsletter to share content; co-produces podcasts and other digital material; and hosts a directory of researchers and organizations interested in mountains.

The Canadian Digital Mountain Observatory is a public facing portal for discovering, displaying, and providing access to research data and outcomes, which will also support the deposit, preservation, and repurposing of mountain research and observation data.

The Royal Canadian Geographical Society Public Outreach and Education Partnership will leverage the organization's various platforms and programs, including the iconic publication *Canadian Geographic*, to connect with more than 4M readers and viewers each year, along with a significant number of students its network of 20K teacher members from every province and territory.

International Mountain Day is a United Nations-designated day around which the Network will support events to provide learning and networking opportunities around mountain research, scholarship, and innovation for academics, decisionmakers, communities, and students.

The CMN Annual General Meeting and Conference will serve as the premier national gathering for mountain research in Canada. Through workshops, presentations/panel discussions, and networking events, the CMN conference will connect users to knowledge, create new partnerships, and provide training opportunities for HQP.

