

Research and Innovation

Strategic Roadmap 2022-2025





Acknowledgements

We acknowledge with respect that BC Wildfire Service operates throughout British Columbia on the traditional territories of Indigenous Peoples. We also acknowledge the sacrifices made by our team and partners in service of British Columbians.

Table of Contents

Introduction from the Strategic Initiatives and Innovation Manager.....	1
Our Story.....	2
Our Roadmap.....	4
Our Priorities.....	4
Promote research to enhance health, wellness, and safety within the BC Wildfire Service.....	5
Contribute to the national understanding of wildland fire science on topics that span the areas of cultural and prescribed fire; wildfire prevention, preparedness, and management; and predictive services.....	7
Advance social and human behavioural research.....	11
Harness emerging tools and technology to enhance the effectiveness of our actions in the wildfire environment.....	12
Our Partners.....	14
Our Strategy.....	16
Engagement and Knowledge Translation & Mobilization.....	18

Introduction from the Strategic Initiatives and Innovation Manager

“We will develop and implement a research and innovation strategy to identify key priorities for advancing science, innovation and research to meet the commitments in this strategic plan, integrating the national Blueprint for Wildland Fire Science, and establish a partnerships and governance model for our research and innovation program.”

- BC Wildfire Service Strategic Plan 2021-2026

After the challenges of the 2017 and 2018 fire season, there were many urgent priorities that naturally dictated the course of the BC Wildfire Service's (BCWS) research and innovation work. As we addressed those priorities, while also growing our network of connections, the need for a multi-year research and innovation roadmap became apparent to define and focus our work.

This roadmap will be reviewed on an annual basis to ensure it maintains sufficient alignment with the BC Wildfire Service's evolving priorities and needs. Many stakeholders and areas of the organization were engaged in this process. In crafting this roadmap, the Research and Innovation team considered:

- A comprehensive review of current workload and return on investment.
- What our realistic capacity currently is, in terms of budget and human resource considerations, to maintain and finish current activities and undertake new projects and tasks.
- Available and known research and innovation opportunities.
- What we heard in a series of thirteen guided focus group sessions held in December 2021 and January 2022, which were open to all BC Wildfire Service staff.
- What we heard in a series of program-specific engagement sessions, workshops, and meetings.
- The BC Wildfire Service Strategic Plan 2021-2026.
- The 2022 BC Wildfire Service Strategic Priorities.
- The current version of the BC Wildfire Service Enterprise Risk Register.
- The 2022 Auxiliary Committee Crew Check-In.
- The Blueprint for Wildland Fire Science 2019-2029.
- The Ministry of Forests, Lands, Natural Resource Operations and Rural Development Research Program 2021-2024 Strategic Plan.
- Our team's collective experience in operational fireline roles and our experience in the last three-four years of listening to BCWS staff, academic partners and other outside perspectives, and observing deficiencies in wildland fire management in B.C.

Our Story

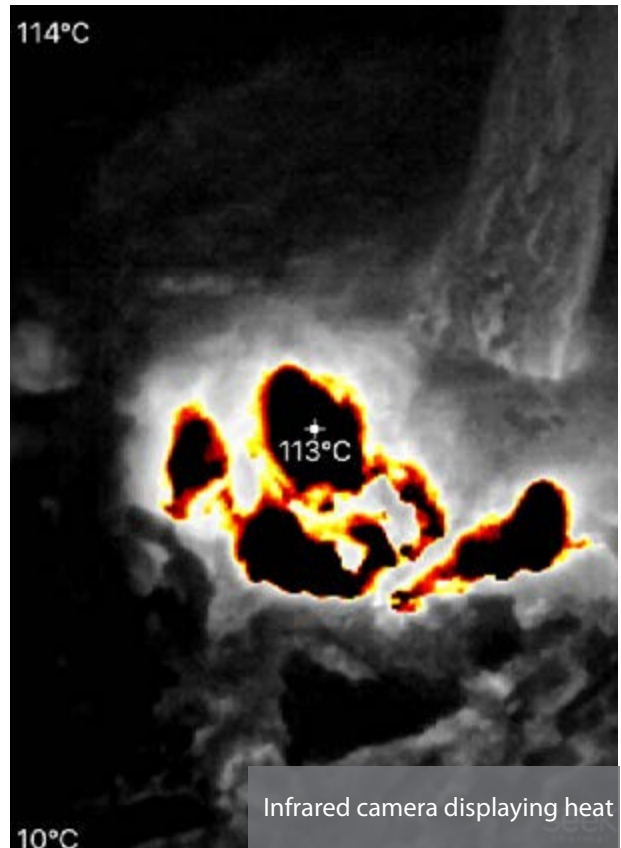
The BCWS is recognized internationally for its expertise in wildfire management with a history of adaptation and flexibility underpinned by a strong commitment to public service. The organization remains committed to excellence through research and innovation, and in 2018 established the Research and Innovation business area. Since 2018, the BC Wildfire Service Research and Innovation team has been focused on research that has generated knowledge and actionable insights alongside iterative and agile innovation trials, with a view to strengthen and modernize the delivery of the BCWS mandate of wildfire management and natural hazard emergency preparedness and response for the Province of B.C.

With this Roadmap, the Research and Innovation business area poises itself to build on the progress of the previous four years, while becoming more structured and ensuring BCWS research and innovation funding and effort is spent as effectively as possible, in alignment with BCWS, the Ministry of Forests and national wildfire management priorities. This Roadmap also ensures that priority research and innovation needs across all areas of the BCWS have been heard, considered, and prioritized in a transparent way, in alignment with broader needs and priorities.





Hummingbird drone testing



Infrared camera displaying heat



Firefighters participate in the University of Alberta research project 'Exposures in wildland firefighters.



Our Roadmap

Provide excellent research and innovation client service to the organization to modernize the delivery of our mandate by:

1. Amplifying our expertise by continuing to build and strengthen partnerships with the academic, scientific and business communities.
2. Investing in the right practical solutions at the right time, to make informed real-time decisions.
3. Encouraging innovative thinking and solutions at all levels of the organization.

Vision

To be a national leader in wildfire research and innovation.

Mission

To lead and support research and innovative initiatives that provide solutions to wildfire and emergency management challenges for the Province of B.C. by leveraging collaboration and partnerships.

Themes

Research and innovation topics that are of interest to the BCWS are divided into four core themes: health, wellness and safety of staff, wildland fire science, social/human behavioural research, and equipment and technology. Some projects and activities may overlap between themes.

Our Priorities

1 Promote research to enhance health, wellness and safety within the BC Wildfire Service

2 Contribute to the national understanding of wildland fire science

3 Advance social and human behavioral research

4 Harness emerging tools and technology to enhance the effectiveness of our actions in the wildfire environment

Promote research to enhance health, wellness, and safety within the BC Wildfire Service

Objective 1.1: Provide Research and Innovation expertise and coordinate research as required to support and evaluate shifts made to BCWS's safe work standard on staff health and fatigue management (BCWS Occupational Safe Work Standard (OSWS) #2).

Strategy	Timeline	Outcomes
Support the OSWS #2 task team in making evidence-based decisions about changes to OSWS #2 through coordination with researchers and students (ongoing).	1-3 years, beginning in 2022 and aligned with priorities and timelines of the OSWS #2 task team.	OSWS #2 Task Team has access to operationalizable research that can be used to ensure updates to OSWS #2 are science-based, where feasible.
Connect OSWS #2 task team with fatigue researchers and groups working on similar initiatives (complete and ongoing).		
Provide fatigue jurisdictional scan/literature review to Organizational Development/Task Team (complete).		

Objective 1.2: Reduce smoke exposure and inhalation through evidence-based interventions.

Strategy	Timeline	Outcomes
Use learning from exposure research partnership with the University of Alberta (2019-2021) and other exposure research to move towards research-backed exposure mitigation tactics (ongoing).	2022-2023	Identification or development of respiratory protective equipment that is effective, comfortable, and practical.
Conduct product research to identify potentially viable respiratory protective equipment, test suitability and practicality (2022) (ongoing), partner with academia to test efficacy, and establish instructions for proper use (2023). Work with developers to create a product if no suitable product is identified (2024).	1-3 years, depending on outcome of product research and biological testing (2022-2023)	Established dataset from CO monitor trials and development of interventions that align with WorkSafe BC interests and demonstrate BCWS initiative to align with occupational exposure thresholds of carbon monoxide.
Conduct trials of wearable carbon monoxide monitors to assess levels of CO on the fireline (ongoing).	2022	

Objective 1.3: Support the BCWS shift to Total Worker Health

Strategy	Timeline	Outcomes
Align UNBC mental health research project with Organizational Development plans for BCWS mental health/psychosocial risk factor assessments.	1 year (2023)	Total Worker Health initiatives are supported by evidence-based research findings, where possible.
Align UVic PhD request to study and improve on BCWS injury rates through education and exercise with priorities of Organizational Development program.	1-3 years	Total Worker Health initiatives are provided with more data for analysis and incorporation into project/program directions. Three students (2 Master's and 1 PhD) are provided with opportunities to contribute to BCWS embrace of Total Worker Health.
Facilitate trial of mental health application, Headversity, to assess applicability of its function in contributing to support of mental health of staff (complete).	2022	Understanding of the types of tools our staff find helpful in contributing to their mental health.
Support Occupational Therapist pilot project with BCWS Unit Crew/s to assess applicability of Occupational Therapist expertise to wellbeing of BCWS staff.	2023	Aggregated data from our staff expressing trends in resilience and mental health. BCWS has assessed whether Occupational Therapist/s could be a valuable asset to BCWS Total Worker Health initiatives.

Contribute to the national understanding of wildland fire science on topics that span the areas of cultural and prescribed fire; wildfire prevention, preparedness, and management; and predictive services

Objective 2.1: Quantify wildfire hazard and risk over varying spatial and temporal scales

Strategy	Timeline	Outcomes
Increase understanding of how fires behave in the WUI and community area, including gaining more knowledge about interactions between structures and wildfires (ongoing).	2022 (reassess after 2022; may continue)	Increased knowledge of wildfire risk and threat and how fires behave in the WUI, allowing for more precise and effective prevention, preparedness and mitigation strategies.
Develop Ember Simulator in conjunction with University of Victoria Engineering to replicate ember transfer physics contributing to FireSmart initiatives and training (ongoing).	2022	Ember Simulator developed for use in FireSmart education opportunities.
Identify the best method of assessing wildfire threat and risk on private and non-native landscapes within the WUI.	2023-2024	More accurate and real time data on site conditions that affect the way fires start and spread.
Increase understanding of risk and consequences at multiple scales (community to landscape) including consideration of various WUI factors and trends.	2023-2025	Increased community and ecological fire resilience.
Use emerging technologies and site level validation to quantify factors such as fuel loading, fuel moisture, grass curing, green-up, and snow free and monitor the fire environment and fire behaviour in real time (ongoing).	2022-2025	
Partner with Rogers Communications and the University of British Columbia on the Smart Forests Project to build community and ecological fire resilience using real-time monitoring of forest conditions (ongoing).	2022-2024	

Objective 2.2: Evaluate the effectiveness of wildfire management strategies including prevention, preparedness, and response

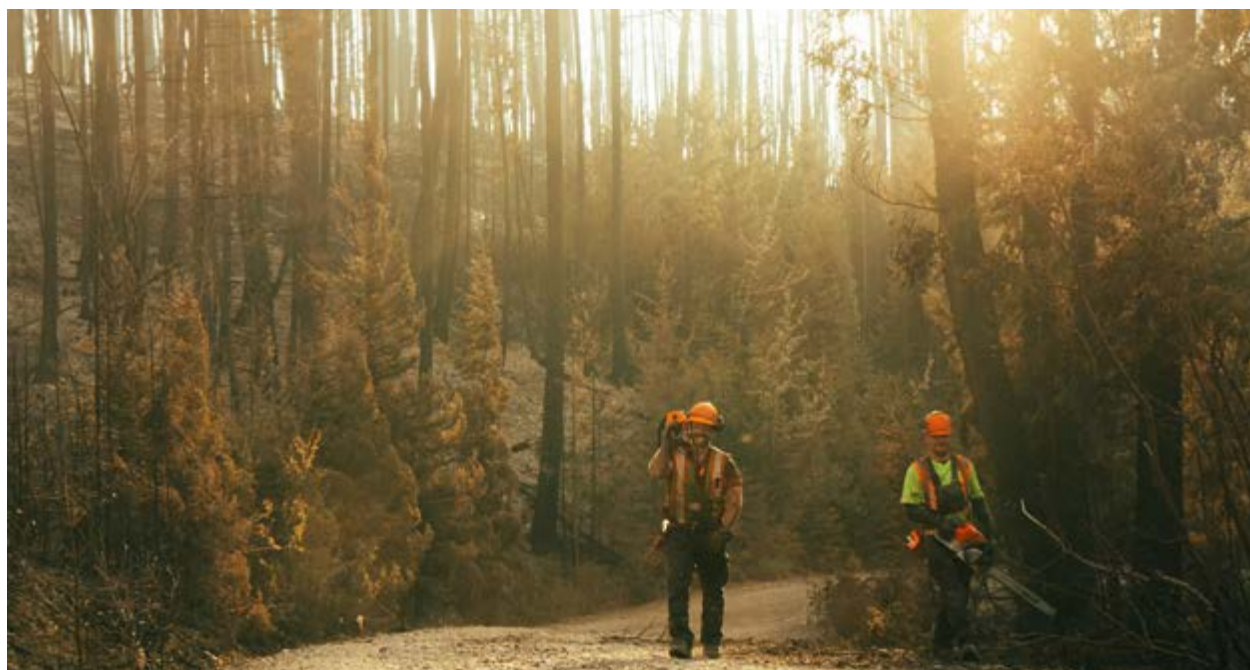
Strategy	Timeline	Outcomes
Continue to build on the foundations of fuel treatment efficacy (FTE) knowledge and research. Include consideration of stand level succession patterns post-treatment and associated re-treatments (ongoing).	2022 (reassess after 2022; may continue)	Increased understanding of fuel treatment efficacy of B.C.'s ecosystems, including a better understanding of re-treatment needs to better guide maintenance decisions.
Assess efficacy of stand treatments such as mulching via research in which fire behavior subject matter experts are fully embedded (ongoing).	2022	Science-backed information on the efficacy and appropriateness of fuel management treatments (e.g. mulching) that is informed by fire behavior expertise and can be shared with those planning fuel treatments.
Assess understory conditions in fuel treated areas in wetter forests of B.C. to assess fuel treatment efficacy and tactics in coastal and interior wet belt fuel types (ongoing).	2022	
Engage in operational research on efficiencies in fuel treatment implementation (e.g. powered de-limbers, smaller machine use).	2023	
Understand landscape design strategies and increase understanding of land management practices, wildfire risk and wildfire risk reduction and current and future climate scenarios.	2023-2025	Greater confidence that Wildfire Risk Reduction and other funding for fuel treatment efficacy is being used effectively in coastal and interior wet belt fuel types.
Examine the interactions between previously burned areas and silviculture activities.	2024	Determine whether operational efficiencies in fuel treatment implementation could be achieved. Gain holistic understanding of wildfire risk on a landscape scale to inform land management now and under future climate scenarios.

Objective 2.3 Increase understanding of wildfire economics

Strategy	Timeline	Outcomes
Build on the learnings from previous wildfire economics research to increase understanding of the costs and impacts of wildfires versus the potential benefits and funding required for mitigation in B.C.	2024-2025	Science-based rationale and goalposts for mitigation activities and budget required for implementation.

Objective 2.4 Assess the predictive accuracy and uncertainty associated with our predictive models, tools, and forecasts

Strategy	Timeline	Outcomes
Assess fire growth models such as Prometheus for accuracy via a collaboration with Canada Wildfire, Thompson Rivers University, and other wildland fire agencies.	2023-2025	Improved modelling capacity and understanding of model limitations, allowing for more accurate predictive services.
Increase modelling capacity in multi-scale fire behaviour models and develop predictive modelling capacity for fire severity and impacts.	2023-2025	Increased understanding of how catastrophic fires shape fire behaviour at the landscape level to help inform future prevention strategies.
Understand how areas recently affected by catastrophic wildfire can be expected to behave in future fire seasons and how they shape fire behaviour.	2023-2025	Real time wildfire monitoring, prediction and response based on an adaptive network of sensors is provided to decision makers.
Assess the skill of long-range weather forecasts and learn how best to apply ensemble forecasts to fire danger predictions in collaboration with Thompson Rivers University (ongoing).	2022-2023	
Assess climatological changes in lightning-caused fire occurrence and develop updated methods that integrate weather forecasts for predicting lightning fire occurrence in collaboration with Thompson Rivers University.	2022-2023	
Partner with Rogers Communications and the University of British Columbia on a project focused on real time data driven wildfire propagation, monitoring, prediction, and response over 5G (ongoing).	2022-2025	



Objective 2.5 Engage in cultural and prescribed burning research that increases understanding of how future landscape-level fire regimes will look under future climate scenarios.

The BC Wildfire Service intends to work in partnership with First Nations and other Indigenous partners to identify research priorities and strategies related to cultural and prescribed burning.

Initial strategies identified by BC Wildfire Service, which will be further discussed and refined through discussions with partners, include:

Strategy	Timeline	Outcomes
Develop culturally appropriate strategies for considering cultural values, traditional practices and Indigenous-maintained fire regimes in landscape level fire ecology and management.	2023-2024	Increased understanding of landscape management actions and how they could be integrated with cultural and prescribed fire activities.
Engage in fire shed research that helps inform management design for Wildfire Risk Reduction activities at the landscape level.	2023-2024	Landscape management design activities benefit from an understanding of fire sheds, with increased linkages to response, values, and topography.
Increase understanding of wildfire risk now and under future climate scenarios and finds linkages to response and suppression activities. Include comparison of modified response and prescribed fire on outcomes and fire effects.	2023-2024	Greater awareness of current fire risk and greater ability to prepare for future climate scenarios.
Evaluate prescribed fire effectiveness for invasive species, including removal of invasive species and prevention of invasive species establishment post-prescribed fire.	2023	Prescribed fire prescriptions can be aligned with invasive species goals.
Conduct research on the relative carbon implications of cultural and prescribed burning and catastrophic wildfire scenarios under climate change.	2023-2024	Understanding of carbon costs and benefits of prescribed fires versus wildfir
Conduct research on the use of fire as a tool to support climate adaptation and ecosystem health and watershed security.	2023-2024	
Conduct research on the relationships between pyrodiversity and biodiversity in BC ecosystems.	2023-2024	
Increase understanding of public/community values and attitudes which influence perspectives on the use of fire as a stewardship and wildfire risk reduction tool.	2023-2024	

Advance social and human behavioural research

Objective 3.1: Provide science-based recommendations to improve communications within Incident Command Structure (ICS), on the fireline, and with other government agencies.

Strategy	Timeline	Outcomes
Conduct literature review and jurisdictional scan; partner with social science researcher to develop project that involves BCWS subject matter experts, end users, stakeholders.	2023-2024	Ability to offer BCWS and emergency management partners science-based communication techniques for use before, during, and after all hazard emergencies.

Objective 3.2: Provide support to the evacuation readiness protect team through knowledge translation.

Strategy	Timeline	Outcomes
Provide the evacuation readiness project team with relevant research articles and participate in evacuation readiness team meetings as needed.	Aligned with evacuation reluctance timeline.	Emergency readiness project activities are linked with research where beneficial.

Harness emerging tools and technology to enhance the effectiveness of our actions in the wildfire environment

Objective 4.1: Improve communications connectivity at incident and fire centre levels.

Strategy	Timeline	Outcomes
Installation of Telus 5G infrastructure at six fire centres and Provincial Wildfire Coordination Centre, followed by field trials of two 5G communications platforms, and development of 5G technology needs mapping process (ongoing).	2022-2023	Increase in remote connectivity contributing to operational efficiency. Increase in capacity on simplex radio networks to reduce interference during periods of high communications load.
Investigate securing more simplex radio channels for use by operational staff during response activities.	2024	More devices equipped with enterprise FireMapper for data collection on operational suitability of application and its amplification of situational awareness.
Execute trial of digital mapping application FireMapper in the Kamloops Fire Centre.	2023	

Objective 4.2: Amplify impact of aerial assets by conducting research of airtanker action affect and expand use of RPAS technology.

Strategy	Timeline	Outcomes
Conduct jurisdictional scan of research and knowledge of the impact of airtanker action on fire behaviour. Based on outcome, partner with FPInnovations to study the on-site fire behaviour impacts of retardant application.	2022-2023	Increased understanding of the tactical contribution of aerial resources in the support of incident objectives.
Support BCWS Operations in development of BCWS internal RPAS program to build out fireline applications (ongoing).	2022-2025	Provision of insight to the Provincial Airtanker Centre on linkages between aerial action techniques and resulting effect on observed fire behaviour.
Conduct RPAS-based aerial ignitions trial on a prescribed burn and develop case study investigating applicability to further prescribed burn and fireline applications (complete).	2022	Diversification of aerial intelligence tools and capacity within BCWS to decrease reliance on helicopter resources, increasing safety and efficiency, while decreasing costs.

Objective 4.3: Enhance suite of detection tools available to operational staff.

Strategy	Timeline	Outcomes
Harness synthetic aperture radar (SAR) data for more accurate incident perimeter imaging during periods of smoke and cloud cover.	2023	More frequent and accurate imaging of incident characteristics when faced with low visibility conditions.
Support BCWS infrared RPAS initiatives through purchasing of aircraft and development of internal RPAS program (ongoing).	2022-2025	Build internal RPAS capacity and decrease reliance on service-providing contractors to provide increasingly requested infrared services.
Test smoke detection cameras in Prince George Fire Centre at Sinkut lookout and develop case study for viability of expanded use.	2023	Determine suitability of fixed-state cameras to monitor large areas of low-density landscape to increase probability of detection success.
Install two remote viewing cameras on weather stations in Kamloops for greater awareness of environmental conditions.	2023	Enhanced knowledge of current/future state of wildfire detection tools available.
Evaluate the results of the Alberta Agricultural and Forestry/ FPIInnovations 2022 Detection Challenge and apply results to BCWS context.	2023	



Our Partners



The Research and Innovation business area operates under a unique business model that allows a relatively small number of staff to engage with, and on behalf of, the BCWS on a wide variety of research and innovation priorities. Key to the success of this model is the emphasis placed on cultivating and developing partnerships with a variety of groups, each filling a unique niche within the wildland fire research and innovation space in Canada. Through partnerships, such as the Partnerships of Note, the Research and Innovation business area is able to amplify the effort of the BCWS, while collaborating on a national scale and supporting post-secondary institutions and the development of a new generation of wildland fire researchers and experts.

FPInnovations

The BC Wildfire Service is a current member of the FPInnovations Wildfire Operations Division. This membership creates strong project level linkages to other member agencies.

FPInnovations supports our work in the following ways:

- Undertake WUI/FireSmart research, fuel treatment efficacy case studies, and mulching for fuel treatment efficacy

research projects.

- Provides scientific rigour and support for research and equipment testing including:
 - Project scoping and planning
 - Field trial support
 - Cost-benefit analysis
 - Providing recommendations, access to equipment and research sites for testing, and knowledge transfer mobilization
- Creates linkages for potential collaborations on research and equipment testing with partner agencies.
- Supports Canada Wildfire relationship by filling operational knowledge and expertise gaps.
- Provides easily accessible arms-length independent expertise in support of vendor meetings.
- Provides historical context for previously undertaken research and equipment testing.
- Provides literature reviews and current state of knowledge assessments to inform potential research initiatives.
- Facilitates access to research and test results and learnings from projects undertaken by other member agencies.

Canada Wildfire

The Canadian Partnership for Wildland Fire Science, or Canada Wildfire, is a fire science hub that plays a key role addressing priority research needs by linking partnering organizations with researchers, identifying and providing wildland fire science training

opportunities and fostering student engagement. The BCWS joined Canada Wildfire as an Executive Member in 2019 and membership of Canada Wildfire has grown significantly since then. Currently, the BCWS is working with Canada Wildfire to further develop robust front-end collaboration and knowledge translation.

Canada Wildfire is also the host of the National Science and Engineering Council of Canada (NSERC). Canada Wildfire Strategic Network. This has allowed the BCWS to be among the first to access a \$5-million federal investment aimed at making Canadians more resilient to a range of natural risks, including wildland fire. The network is also supporting academic research over a five-year period, with 70 per cent of funding devoted to training the next generation of wildland fire researchers. In partnership with the University of British Columbia, the BCWS has been very successful in leveraging money against this Network, more than doubling the money allocated to a suite of projects led by Dr. Lori Daniels.

Partnerships of Note

Canada Wildfire

FP Innovations

Thompson Rivers University and their Research Chair in Predictive Services, Emergency Management and Fire Science

Canada Wildfire NSERC Strategic Network

BC Ministry of Forests Research Program

CIFCC Fire Science Committee

Cascadia Innovation Corridor Wildfire and Urban Smoke Working Group

Pacific Institute for Climate Solutions

Canadian Forest Service

Alberta Wildfire

Ontario Aviation, Forest Fire and Emergency Services

University of British Columbia

University of Northern British Columbia

University of Victoria

Laurentian University

Simon Fraser University

University of Alberta

Bulkley Valley Research Centre

Columbia Basin Trust

Our Strategy

The following subsections detail strategies that the Research & Innovation business area will use to accomplish the priorities set out in this Roadmap.

Jurisdictional Scans

Learning from other jurisdictions and understanding the current status of topics and issues is a key starting point in innovating new solutions and formulating research questions. The Research and Innovation business area will perform jurisdictional scans that are suitable in scope to the question at hand. These scans will help us better understand if our situation is unique, or if we can leverage existing knowledge to simplify and resolve questions and problems. These scans will not only help the BCWS avoid duplication of effort, but could also point us towards leading edge agencies, researchers and vendors that might form future collaborations.

Literature Reviews

When projects are initiated, the Research and Innovation business area will consider whether a literature review is necessary. Literature reviews can help BCWS staff and our research partners determine the current state of knowledge about a research or innovation topic. Literature reviews can cover both academic publications and 'grey literature,' such as reputable articles or program reports, and can be conducted by a member of the Research and Innovation business area, using tools such as the JT Fyles Natural Resource Library, or by a researcher as part of their suite of work on a BCWS priority research or innovation project.

Subject matter experts embedded in all stages of projects

In order to deliver research projects and innovation trials that deliver operationalizable outputs, BCWS subject matter experts need to be engaged early and often, throughout the lifecycle of the project.

Depending on the nature and scope of the project, a Steering Committee may be set up of Research and Innovation, BCWS subject matter experts, and research/innovation partners, as well as other stakeholders if necessary (e.g. Ministry of Forests Research Program member/s). For projects that do not require a Steering Committee, engagement with subject matter experts may be on a more ad hoc basis, with an emphasis placed on subject matter expert input on stages of the project such as the solicitation of external research/innovation partners, the development of the project plan, and the interpretation of preliminary results.

The intention is not to interfere with academic freedom, but rather to support our external research and innovation partners in delivering a product that is both founded in sound and independent science and of greatest use to the BCWS.

Research and Innovation Advisory Committee

The establishment of a Research and Innovation Advisory Committee is a key component of this roadmap. This committee will consist of BCWS program leads, as well as key outside stakeholders from groups such as the Ministry of Forests Research Program, Canada Wildfire, Thompson Rivers University, FPIInnovations, and others. The Advisory Committee will provide a forum to achieve the following objectives:

Allow BCWS program leads to provide continuous and dynamic input into the Research and Innovation strategy.

Provide a forum for synergies across programs as related to research and innovation.

Allow specific stakeholder groups to explore collaborative opportunities.

Increase overall awareness and knowledge translation within and outside of the BCWS.

Facilitate program-specific engagement with internally and externally led research and innovation projects in a forward-looking, proactive manner.

Continued program specific engagement

Beyond the Research and Innovation Advisory Committee and subject matter experts being embedded in research and innovation projects, connecting with programs and groups within the BCWS is a key component of the success of delivering on the priorities of this roadmap and with fostering an innovative culture within the BCWS.

The Research and Innovation business area has and will continue to share research and information as it becomes available to program and groups within the BCWS and will respond to request for supporting programs with science-based information where available, where capacity allows.

In general, we will continue to scan for working groups, task teams, communities of practice, and projects that would be relevant to the priorities of this roadmap, where capacity allows.

Engagement and Knowledge Translation & Mobilization

Innovation Platform

The Innovation Platform will continue to serve as the repository for information on projects throughout BCWS and the primary channel through which the organization will provide feedback on a broad scale. Project documents and updates, user feedback surveys and debriefs, solicitations and decisions will be housed on the Innovation Platform for interaction by all BCWS staff. The Platform will be improved through the addition of an Updates section at the top of the home page, which will provide a location for frequent messaging to be posted, improving communications and alleviating reliance on the Snapshot. This section can include details such as project updates, operational equipment messaging, and knowledge translation and mobilization.

Knowledge Translation and Mobilization

Key to the success of research and innovation projects is a focus on knowledge translation and mobilization, throughout the project's lifecycle.

Canada Wildfire has evolved to play a key role in knowledge translation and mobilization, with identifying potential collaborations when projects are initiated by a member of Canada Wildfire, to hosting training and educational sessions, to sharing the outcomes of research in the wildfire management community and beyond. The BCWS has provided funding to Canada Wildfire that has been used to increase their knowledge translation and mobilization capacity. As Canada Wildfire's membership grown in the past few years, and one-off conversations between members become have more difficult, this increased knowledge translation and mobilization capacity at

Canada Wildfire has become increasingly helpful.

Student Engagement Strategy

As the profile of wildfire in British Columbia increases, more students are pursuing education opportunities related to wildland fire. This ranges from students interested in the health of wildfire management agency staff, to those interested in wildland fire science, to those who would like to develop a new tool or piece of technology that could be used in wildland fire management.

The Research and Innovation business area will continue to work with Organizational Development to develop and implement a student engagement strategy that effectively manages our current interactions with students, strives to be more proactive, and has a broader vision of what successful student engagement looks like for the BCWS.



