



Overview of Provincial Climate Adaptation Initiatives Sub-Boreal Spruce Climate Change Adaptation Workshop

Pamela Dykstra, MRM, RPBio, PAg

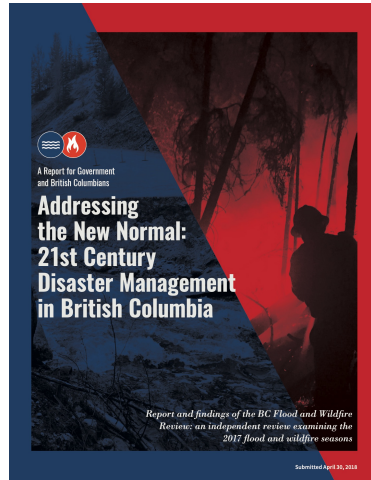
Ministry of Forests, Lands, Natural Resource Operations and Rural Development

June 2, 2021

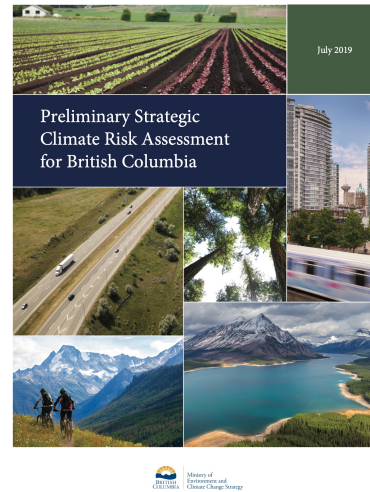
FOUNDATIONS



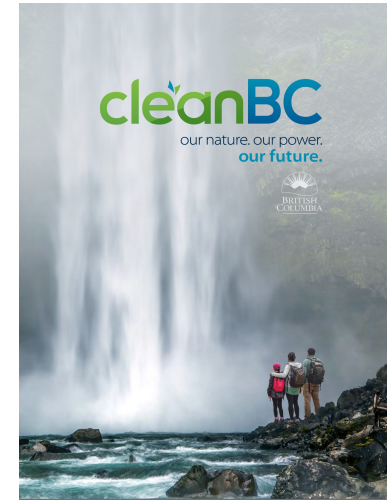
https://www.bcauditor.com/sites/default/files/publications/reports/Climate_Change_FINAL_0.pdf



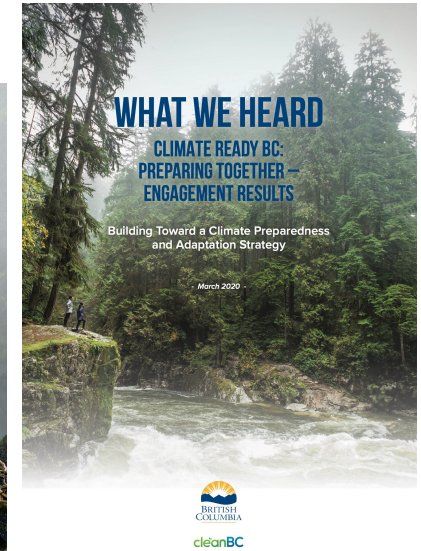
<https://www2.gov.bc.ca/assets/gov/public-safety-and-emergency-services/emergency-preparedness-response-recovery/embc/bc-flood-and-wildfire-review-addressing-the-new-normal-21st-century-disaster-management-in-bc-web.pdf>



<https://www2.gov.bc.ca/gov/content/environment/climate-change/adaptation/risk-assessment>



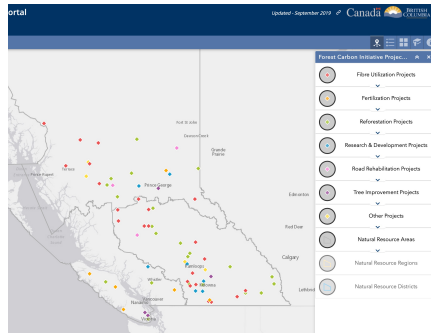
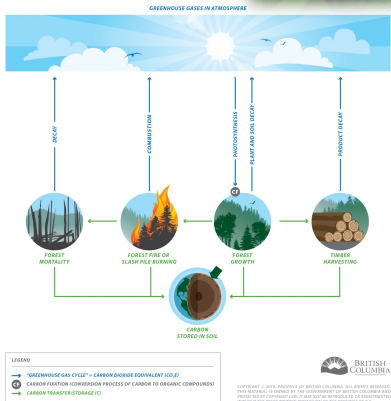
<https://cleanbc.gov.bc.ca>



<https://www2.gov.bc.ca/gov/content/environment/climate-change/adaptation>

INITIATIVES

2BILLION TREES

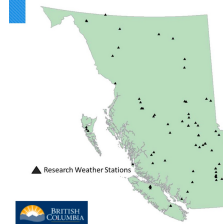


Forest Carbon Initiative – operational and research portfolios

Background The DCI was established after the current FLMNRD Climate Action Plans (CAPs) were completed between 2013 and 2016. Forest Analysis and Inventory, Resource Practices, and Tree Improvement (low forest improvement and research management) (FRIM) branches were included in the Resource (Forest Stewardship Division's CAP in 2015). Innovation, Bioeconomy and Indigenous Opportunities and Climate Change & Integrated Planning Branches were included in the Technical, Competitiveness and Innovation Division CAP. The DCI does not have an in-house CAP that covers all its branches and units.	Governance & Engagement Steering Committee / Project Champions <ul style="list-style-type: none"> Makes the project forward by providing logistics Ensure strong buy-in, maintain good links Endorse project products Suggested membership: ADMs, ITH, Directors, Managers Advisory Committee <ul style="list-style-type: none"> Review all guidance and CAPs to determine what worked and what did not work Create template for the CAP Consult the Technical Team, provides materials Review project products Suggested membership: Vanessa Ford, Leah McKenzie, Heather Stober, Kerrie Browne, Ann Luckley Technical Team <ul style="list-style-type: none"> Drafts the plan Engage internal and external (outside DCI) SMEs, research scientists Membership: Tam Ayte (Lead), Leah McKenzie, Erika Steed, Leah McKenzie, Marie Vance, Daphne Li, Pamela Dukhira, Brenden Bredeman, Anna Wilson
Purpose Ensure the integration of climate change information into the daily business of the office of the Chief Forester Division	Deliverables <ul style="list-style-type: none"> Climate Action Plan for the DCI Division DCI-CAP Implementation Plan
Timeline August: Project briefing, Advisory & Technical Team members established September - October: Risk of meeting of Technical Team + identifying goals and objectives November: Technical Team develops Climate Action Plan + Non-regulatory CAP (for use by non-project) December: Draft Climate Action Plan presented to DCI for review January - February 2021: Team engages DCI staff in activities. Revised CAP addressed to DCI by review & recommendations to DCI staff. Have system development of draft implementation plan	Links and Dependencies <ul style="list-style-type: none"> FLMRD Service Plan Preliminary Strategic Climate Risk Assessment for British Columbia FRPA renewal recommendations/initiatives such as LUP case studies FLMRD Climate Change Strategy - in development Climate Preparedness and Adaptation Strategy (CPAS) discussion paper and proposed action - in development
Scope of Work In Scope <ul style="list-style-type: none"> Forest management, silviculture, and tree improvement Timber Supply Review Wildfire Assessment Forest health Forest Carbon Forest Inventory Wildfire resilience Out of Scope <ul style="list-style-type: none"> Changes to forest legislations and regulations Risk and wildfire Water resources Damage Policy Timber pricing 	Risks <ul style="list-style-type: none"> Risk in developing the DCI-CAP <ul style="list-style-type: none"> not fully participating due to regular priorities Risk in implementing the DCI-CAP <ul style="list-style-type: none"> lack of adequate resourcing Approval <ul style="list-style-type: none"> ADM and Chief Forester Diane Nichols approved the Decision Note to create the DCI-CAP sign-off the DCI-CAP

climate action plans – e.g., divisions, regions

Monitoring Climate/Microclimate



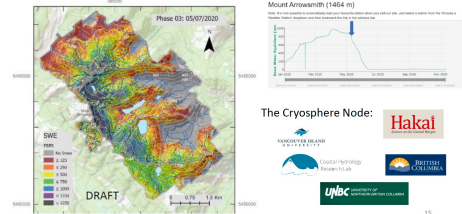
Forest Ecosystem Research Network

Monitoring Forest Health

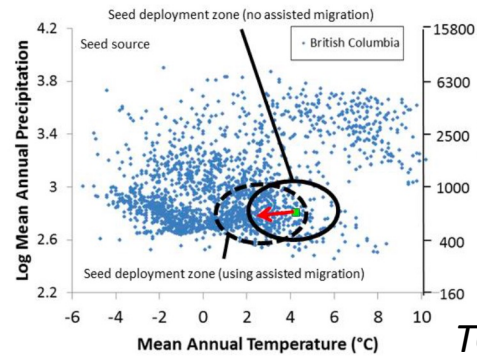
- Forest Health Monitoring Program
- Aerial Overview Surveys
 - <https://www2.gov.bc.ca/gov/content/industry/forestry/managing-our-forest-resources/forest-health>
- Research to understand forest health-climate change relationships
 - e.g. Dothiora needle blight, Lodgepole pine stem rusts

Monitoring Hydrology

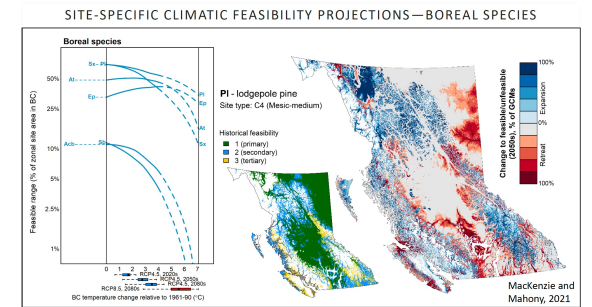
2020 Results
May 07, 2020



research and monitoring (source: V Food)



TOOLS: water, cc adapted regen – BC Water Tool, CBST, CCISS, FLP Web App

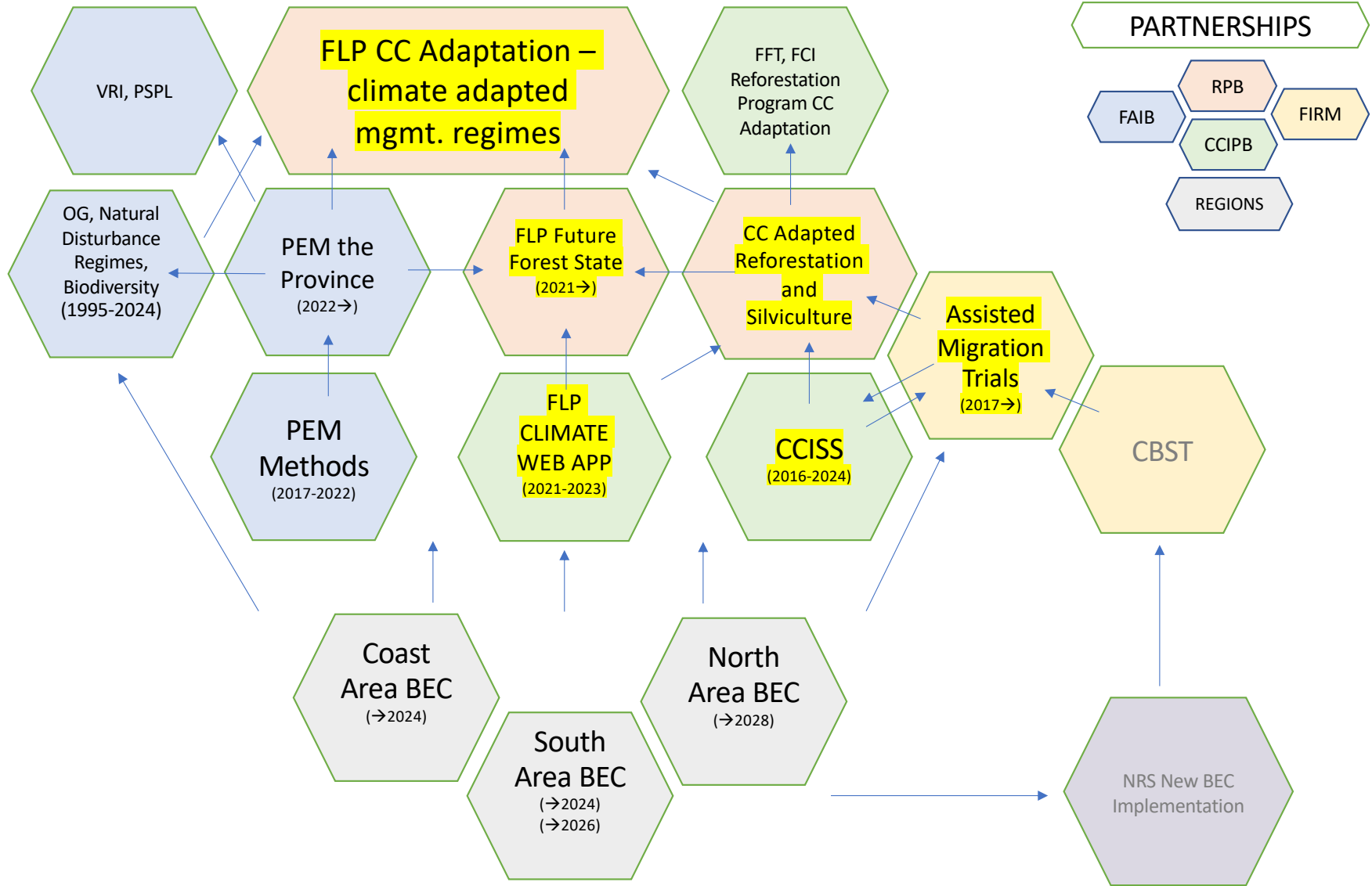


Applications

Interpretations

Tools

Data





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