

K2



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What is the central problem?

- We are concerned that the rate of climate change anticipated in the next century may exceed the adaptive capacity of our tree species
- We may end up with trees that are maladapted given the climate
- We may also end up with a fundamentally changed forest and landscape

Future Forest Ecosystem Scientific Council (FFESC)



Origin:

- March 2008
- To allocate funding for research that supports Future Forest Ecosystem Initiative (FFEI) in BC

Objectives:

1. Understand how forest & range ecosystems will change over time as a result of climate change
2. Develop projections to forecast changes
3. Develop adaptive forest mgmt methods to respond & mitigate impacts
4. Research economic/social consequences & effects of proposed mitigating options

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Kamloops Future Forest Ecosystem Strategy II (K2)

- Explore forest management adaptations
- Build on previous work
- Collaboratively expand our understanding
- Improve future forest management planning
- Identify barriers to implementation, including assessments of potential feasibility of different management options



This is also a national issue

- The CCFM states that climate change considerations are included in all aspects of the sustainable management of Canada's forests
- A key part of this is providing the means to enable communities, industry, and forests to adapt
- And developing policies that enable adaptation



Where are we today?

- There has been considerable qualitative assessment of potential impacts, associated vulnerabilities and possible management actions
- But in order to move forward we need to better understand tradeoffs and interactions, both between different objectives and at different levels
- We also need to find a way to explore these given the uncertainties around climate change



K2 and our approach

- The goal is to explore potential future states of forest, understand consequences of decisions
- Decision-makers need this kind of information
- In order to start answering these questions we need to ground them
- Forestry is applied and as such local context matters