

# Creating Climate Resilient Resource Roads

## Forest Practitioner Seminar

March 5th, 2019 – Kamloops

### Context

As the severity of climate change continues to impact forest operations, the forecasted increases in winter temperatures, fire season length, and frequency of high intensity, short duration rainfall events will put increased strain on the performance and reliability of B.C. resource roads. In order to preserve and improve the sustainability and competitiveness of forest operations, industry and government must be equipped with the most contemporary knowledge and tools necessary to establish resilient infrastructure and mitigate climate change impacts.

### Target Clientele

Forest professionals, forest managers, forestry consultants, and others that seek to improve their knowledge about climate change impacts to forestry infrastructure and strategies to mitigate these impacts.

### Learning Objectives

Participants will learn about the salient impacts of climate change facing B.C.'s forest infrastructure, available climate prediction tools, and forest infrastructure risk assessment and mitigation strategies.

### Workshop Content

- Impacts of a changing B.C. climate on resource road infrastructure and available climate prediction models.
- Guidance on how to use climate change prediction tools for water crossings in small watersheds.
- Summary of 3 case studies of forest infrastructure vulnerability to climate change.
- The considerations and impacts of debris and sediment mobilization and how to respond with resilient infrastructure.
- Discussion and sharing about resource roads impacted by climate change, with a focus on building and maintaining resilient resource roads.

Complete agenda to follow.



### Location

Coast Kamloops Hotel & Conference Centre  
Kamloops, BC

### Cost

Workshop is free of charge for both FPInnovations members and non-members.

### Registration:

Register [here](#).

Deadline to register: February 22<sup>nd</sup>, 2019  
Capacity: max. 40 participants

### For more information

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## AGENDA

TIME	TOPICS
8:30	<b>Welcome and introduction</b> <i>Brian Chow – FLNR</i>
8:45	<b>Impacts of climate change in BC, existing climate change models</b> <i>FLNR</i>
9:30	<b>Adapting small watershed design flood hydrology to climate change: a guidance document</b> <i>Matt Kurowski/ Dawson Markle – FPInnovations</i>
10:15	<b>Break (provided)</b>
10:30	<b>Considering climate change in watershed assessments</b> <i>Glynnis Horel – G M Horel Engineering Ltd.</i>
11:15	<b>Key outcomes of applying a risk and vulnerability assessment protocol on BC resource roads</b> <i>Allan Bradley/ Mark Partington – FPInnovations</i>
12:00	<b>Lunch (provided)</b>
1:00	<b>Stream crossings designs and considerations – it is much more than water</b> <i>Calvin van Buskirk – Terratech Consulting Ltd.</i>
1:30	<b>Buried structures – ideas on improving resilience</b> <i>Phil Carroll – Atlantic Industries Limited</i>
2:15	<b>Break</b>
2:30	<b>Open discussion of climate change infrastructure impacts, challenges to crossing design process, knowledge gaps, risk management, mitigation efforts and strategies</b>
3:30	<b>Closing</b>

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