

Accounting for Climate Change Impacts in the Design of Resource Road Crossings

Webinar 2 of 3: Case Studies from Northern B.C. +
Design Flood Hydrology Practices for B.C. Resource Road Crossings



June 23rd, 2020

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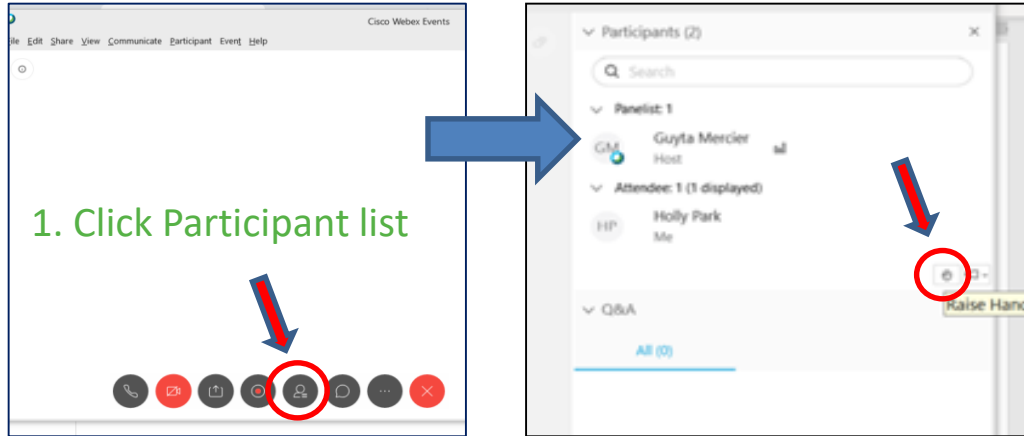

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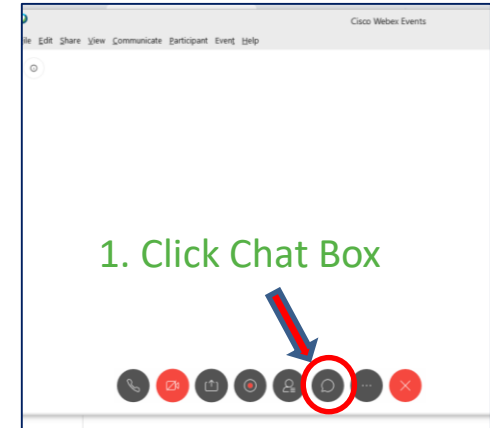
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- **Orientation:** updates on topics from first series (Matt Kurowski)
 - **A first look:** the new Plan2Adapt tool (Kari Tyler)
 - **Review:** use of two tools that were not included in the first series (Columbia Basin Climate Source and climatedata.ca), a prototype tool that calculates risk probabilities of climate indices, as well as a case study crossing in Southeast B.C. that applies these tools (Mel Reasoner)
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- **Crossing case studies in Coastal and Northern B.C. ranging in drainage size:** how data and methods used in design flood hydrology relate to uncertainties of climate projections from various tools, and how climate projections can inform design (Lee Deslauriers and Paul Mysak)
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- **Introduction:** a data portal from the Pacific Climate Impacts Consortium that provides streamflow for a range of future climate conditions in sub-basins of the Peace, Fraser and Columbia (Arelia Schoeneberg)
- **Facilitated conversation with designers:** applied use of climate tools (Kari Tyler)

June 18 (Thursday)

Updates and Developments in Climate Change Tools for B.C. + Case Study from the Southern Interior

Matt Kurowski EIT (FPIInnovations), Kari Tyler (Pacific Climate Impacts Consortium), Mel Reasoner (Climate Resources Consulting)

June 23 (Tuesday)

Case studies from the Coast and Northern B.C.

Lee Deslauriers P.Eng., RPF (StoneCroft Engineering), Paul Mysak P.Eng. (Onsite Engineering Ltd.)

June 25 (Thursday)

From Snowmelt to Streamflow: Data Portals for Future Hydrologic Conditions + Discussion: Climate Change Tools Needs for Crossings Design

Arelia Schoeneberg, Kari Tyler (both from Pacific Climate Impacts Consortium)

Webinar Overview

- Brian Chow, Chief Engineer, FLNRORD (a few minutes)
- Paul Mysak (25 minutes)
- Paul Mysak (15 minutes)
- Pop-up polls
 - Lee Deslauriers, David Beleznay, Matt Kurowski



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Small watershed crossings and climate change



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Thank you

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