

Silviculture and Future Forest Management

Registration Day: Tuesday February 21

4:00 pm – 7:00 pm Check in at Registration Desk for Nametag & Workshop Materials
The Delta Grand Hotel, 1310 Water Street, Kelowna BC

Registration will continue on Wednesday Morning
February 22 from 7:00 am to 8:15 am

7:00 pm – 10:00 pm Social Time with Hosted Snacks and Subsidized Beverages
Room 158, The Royal Hotel, 1288 Water Street, Kelowna BC
(access is through the lobby of the Delta Grand Hotel)



Day One: Wednesday February 22

8:20 Welcome & Opening Remarks
2023 SISCO Chair

8:25 *Plenary Panel 1: Monitoring Past Forest Practices to Guide Future Forest Management*

Monitoring forest management activities can take many forms, from auditing the compliance of forest practices, monitoring the effectiveness of forest practices to maintain the integrity of other resource values and achieve management objectives, to the application of forest certification programs that set standards and track progress to meeting those standards. In all cases, the goal of monitoring is to provide feedback and information to promote continuous improvement of forest management practices. In this session we will focus on how various forms of monitoring and how these have, or can be used to improve future forest management.

8:25 Moderator: Heather MacLennan

8:30 *Keynote Speaker*

Monitoring: A Paradigm Shift And The Status Quo

Doug Wahl, RBio, Manager, Audits & Investigations, Forest Practices Board

9:00 *Panelists' Presentations (25 mins including time for 3 questions)*

9:00 *1. Forest Landscape Planning Monitoring Requirements and the Forest and Range Evaluation Program (FREP)*

Barry Snowdon, Sustainable Forest Management Team Lead, Office of the Chief Forester, MOF

9:25 *2. The Role of Certification as a Means of Monitoring and Achieving Targets*
Orrin Quinn, Western Canada Regional Manager, Forest Stewardship Council

9:50 *3. A Decision-Makers Perspective On Forest Management Evaluation*
Ray Crampton, Distract Manager, Okanagan Shuswap, MOF

10:15 Questions

10:25 Coffee

2023 SISCO Winter Workshop

Day One continued

- 10:55 *Plenary Panel 2: Is Forest Management Zonation the Way of the Future ?*
The idea of zoning landscapes to emphasize specific forest management outcomes such as ‘conservation’, ‘special management’ or ‘enhanced forest management’ is not a new concept in BC, and is embedded in existing land use plans, legislation and policy. However, outside of conservation areas (i.e. parks and protected areas) much of the ‘working forest’ in BC has traditionally been managed for multiple values, with varying degrees of success. Forest management zonation frameworks, such as TRIAD and other approaches, are an attempt to reconcile conflicts with managing for multiple values everywhere by dividing landscapes into discrete units that emphasize conservation, ecological forestry, and more intensive forest management. Improving conservation outcomes is a key focus, but so is an emphasis on selecting areas for ‘intensive forestry’ to focus on timber production and offset losses in zones emphasizing conservation or ecological forestry. In this session we will review our understanding of different forest zonation approaches, examples applied in other jurisdictions, and discuss the opportunities and challenges to implementing forest management zonation approaches in BC.
- 10:55 Moderator: Doug Lewis
- 11:00 *Keynote Speaker*
Triad: (A Three-Zone Forest Management Framework) Producing Wood at the Least Cost to Biodiversity and Ecosystem Services
Mathew Betts, Professor, Forest Ecosystems and Society, College of Forestry, OSU
- 11:30 *Panelists’ Presentations (25 mins including time for 3 questions)*
- 11:30 *1. The Use of Zonation in Forest Management in BC*
Cam Brown, Strategic Planning Forester, Forsite Consultants
- 11:55 *2. Zonation and The Caribou Recovery Strategy in Quebec*
Louis Belanger, Professor (Retired), Faculty of Forestry, Geography & Geomatics, University Laval
- 12:20 *3. Values-Based Zoning on Westbank First Nations Forest Tenures*
Dave Gill, RPF, General Manager, Ntityix Resources LP
- 12:45 Questions
- 1:00 Lunch
- 2:00 *Concurrent Discussion Sessions 1- 6*
- 1. Ecological Significance and Management of S6 Headwater Streams in BC*
Brian Heise, Aquatic Ecologist, TRU
- 2. Range Monitoring for Riparian Values, / Monitoring Use: GPS Collars, Cattle and Riparians*
Clayton Bradley, Range Practices Specialist, MOF
Lisa Zabek, Agroforestry Specialist, Ministry of Agriculture and Food
- 3. Implementation Monitoring of Fisher Habitat Management Strategies*
Aline Lachapelle, Stewardship Forester, MOF
- 4. Riparian Re-assessment Identifies Forest Age and Complexity as Factors in Post Harvest Recovery*
Lisa Nordin, Aquatic Resources Stewardship Evaluation Officer, Forest Science, Planning and Practices Br, MOF
- 5. Identifying and Monitoring Indigenous Cultural Heritage Values Within Forestry and Silviculture Operations - Recognizing Archaeological Features*
Brittany Cleminson, Archaeologist, Manager, Sugar Cane Archaeology
- 6. Microclimate and Its Influences on Biodiversity in Forested Landscapes*
Matthew Betts, Forest Ecosystems and Society, College of Forestry Oregon State University
- 3:00 Coffee Break
- 3:15 *Concurrent Discussion Sessions 1-6 Repeated*
- 4:15 Adjourn for the day
- 5:00 Cash Bar Opens
- 6:00 Banquet
- 7:20 SISCO AGM
- 7:30 *Dinner Presentation: Trail North; Insights Into the Fascinating History of the BC Interior*
Ken Mather, Historian, Manager/Curator of the Historic O’Keefe Ranch (retired)

2023 SISCO Winter Workshop

Day Two: Thursday February 23

8:20 Announcements
John Karakatsoulis
2023 SISCO Chair

8:25 *Plenary Panel 3: Understanding Climate Refugia Concepts and Implementing Them in Forest Management Planning and Practices*

The need to adapt our forest management practices to a changing climate is more important than ever. One way to adapt is to better understand areas of 'climate refugia' - areas that remain relatively buffered from contemporary climate change over time and enable persistence of valued physical, ecological, and socio-cultural resources. Climate change effects on forests will be most immediately felt through changes in ecological processes such as wildfire or drought. Understanding how the interaction of climate patterns, topography and vegetation can create refugia to these effects, or conversely areas less likely to be refugia, can help inform practitioners how to modify forest management from conservation planning efforts to harvesting and silvicultural practices and wildfire risk reduction treatments. In this session, we will provide an update on the current knowledge of climate change in the southern interior, an overview of climate refugia concepts, and the state of existing research and management tools available to practitioners to help inform forest management planning on the ground.

8:25 Moderator: Doug Lewis

8:30 *Keynote Speaker*

Climate-Change Refugia: Informing Forest Planning in an Uncertain Future
Diana Stralberg, Researcher, Natural Resources Canada Northern Forestry Centre

9:00 *Panelists' Presentations (25 mins including time for 3 questions)*

9:00 *1. Leveraging BEC for climate refugia identification*

Colin Mahony, Research Climatologist, Forest Carbon and Climate Services Branch, MOF

9:25 *2. Wildfire and Refugia*

Jill Harvey, Dendroecologist, Canada Research Chair in Fire Ecology/Assistant Professor, TRU

9:50 *3. Using the Forest Drought Risk and Assessment Tool to Identify Potential Climate Refugia*

Craig Delong, Senior Ecologist, Ecora Resource Group

10:15 Questions

10:20 Coffee on the Run

10:35 *Concurrent Discussion Sessions 7 - 11*

7. Climate Informed Conservation Planning – Refugia, Connectivity, Reciprocity and Trust

Jessica Stolar, Research Assistant, Faculty of Agriculture and Renewable Resources, University of Alberta

8. Best Management Practices for Whitebark Pine (the only red-listed tree species in Canada)

Don Pigot, Yellowpoint Propagation Ltd.

Randy Moody, President, Whitebark Pine Ecosystem Foundation of Canada; Owner, Moody Tree
Francis Iredale, Species at Risk Specialist, Ministry of Water, Land and Resource Stewardship

9. Analyzing and Predicting Fire Refugia in the Thompson Okanagan/ Drought Refugia / Climate-Change Refugia: Informing Forest Planning In An Uncertain Future

Christine Kuntzemann, Climate Change Analyst, Natural Resources Canada Northern Forestry Centre
Diana Stralberg, Researcher, Natural Resources Canada Northern Forestry Centre

10. Forest Health and the Phases of Western Balsam Bark Beetle Outbreaks in Subalpine Fir Forests of Southern B.C.

Lorraine Maclauchlan, Entomologist, MOF

11. The Naturalness Index: A Method to Assess to What Degree a Silviculture Strategy Maintains Ecological Integrity

Louis Belanger, Professor (Retired), Faculty of Forestry, Geography & Geomatics, University Laval

11:35 Lunch

2023 SISCO Winter Workshop

Day Two continued

12:25 *Concurrent Discussion Sessions 7 – 11 repeated*

1:25 *Plenary Panel 4: Silviculture for Future Forests*

The practice of silviculture is constantly evolving to respond to climate change, societal expectations of management for multiple values, demand for wood products, and utilization of new and innovative technologies. The rate of these changes can often outpace the rate of stand development, requiring practitioners to constantly modify actions to respond to these new realities. This panel explores how silviculture must keep apace with so much change to ensure the integrity of our future forests.

1:25 Moderator: John Karakatsoulis

1:30 **Keynote Speaker**

Changing the Culture of Silviculture for Future Forest Management

Jodi Axelson PhD, Pag, Research Leader, Silviculture, Forest Science, Planning & Practices Branch, MOF

2:00 *Panelists' Presentations (25 mins including time for 3 questions)*

2:00 *1. Summary of the Young Stand Monitoring Program, Its Primary Objectives and the Series of Results Completed to Date*

Rene DeJong, Team Lead, Inventory and Analysis Reporting, Forest Inventory Branch, MOF

Dan Turner, Inventory Data Analyst, Forest Inventory, Forest Inventory Branch MOF

2:25 *2. Long-Term Responses Of Lodgepole Pine To Pre-Commercial Thinning and Fertilization: a Potential Look 25- 30 Years Into The Future*

Tom Sullivan, Applied Mammal Research Institute

2:50 *3. How Has Indigenous Inclusion Impacted Silviculture Practices*

Francis Johnson RPF, Planning Forester, Alkali Resources Management Ltd

3:15 *4. Moving to Full Rotation Management: Barriers and Possible Solutions*

Lee-ann Puhallo, RPF, Intensive Silviculture Specialist, Forest Science, Planning & Practices Branch, MOF

Eleanor McWilliams, Forest Biometrician J&E McWilliams & Associates

3:40 Questions

3:50 *Food For Thought on the Way Home*

Shane Berg, Assistant Deputy Minister, Office of the Chief Forester, Ministry of Forests

4:15 Closing Remarks and Adjourn

Conference and Registration Details

Conference Program

For more information about our speakers and their topics please visit our Event Website:
<https://pheedloop.com/sisco/site/home/>

Venue / Hotel Accommodation Information

The Delta Grand Hotel, 1310 Water Street, Kelowna BC is our conference venue.
The Grand offers the rate of \$159 until January 27th. Book your room online until January 27th by visiting our Event Website and clicking on the Hotel Reservation Tab.
For reservations call (250) 763 - 4500, ext. 2, ext. 1.

Registration and Payment Information

To Register please go to our Event Website and click on the Registration Tab.
For Registration at the door, Payment is by cheque or cash.

Registration Options

All registration include 2 lunches, 3 refreshment breaks, the workshop booklet and your nametag.

Early Registration before January 28, 2023

With Banquet: \$425 (\$404.53 Ticket+\$8.08 reg software fee + \$12.39 credit card processing fee)
Without Banquet: \$400 (\$380.72 Ticket+\$7.60 reg software fee+\$11.68 credit card processing fee)
Trade Show Booth: \$450 (\$428.35 Ticket+\$8.55 reg software fee+\$13.10 credit card processing fee)
Student Registration: \$130 (\$123.53 Ticket+\$2.47 reg software fee+\$4.00 credit card processing fee)

Registration on or after January 29, 2023

With banquet: \$475 (\$452.16 Ticket+\$9.03 reg software fee+\$13.81 credit card processing fee)
Without banquet: \$450 (\$428.35 Ticket+\$8.55 reg software fee+\$13.10 credit card processing fee)
Trade Show Booth: \$500
Student Registration: \$130 (\$123.53 Ticket+\$2.47 reg software fee+\$4.00 credit card processing fee)

Research / Student Posters

There is no additional charge (other than registration fee) for bringing a research or student poster.

Cancellations

Received on or before January 21 will receive full refund minus \$50 admin fee.
Received on or after January 22 will not receive a refund.

SISCO's webpage features agenda and detail updates as they develop: www.siscobc.com