

Silviculture in a Changing Physical and Political Environment

Day One: Tuesday, March 1, 2022

8:45 WELCOME & OPENING REMARKS
2022 SISCO Chair

Jill Werk, FRPA Values Coordinator, Forest Science, Planning & Practices Branch, FLNRORD

8:55 *Panel 1: Collaborative Management of Ecosystems, Values & Resources*

Collaborative management of ecosystems and resource values is an important component of land stewardship, especially in British Columbia where over 93% of forest management activities occur on public and unceded lands. When complex decisions about managing our shared resources include input from care-takers of the land, multi-disciplinary experts, and specific stakeholders, the results can be “greater than the parts”. Public involvement is a necessary component of successful land management planning, and post-event evaluation of extreme events such as wildfire and flooding benefits from engagement and collaboration by local response agencies, residents, and technical experts. This panel explores these ideas.

Moderator: John Karakatsoulis, Professor, Forest Ecology & Natural Resources Sciences, TRU

*Keynote Speaker (includes time for Q&A)*9:00 *The Role of Public Involvement in Forest Resource Management & Policy*
Dr. John Innes, FRBC Chair of Forest Management, Faculty of Forestry, UBC*Panelists' Presentations (includes time for Q&A)*9:45 1. Elephant Hill Fire and Douglas-fir beetle: Progression and Lessons Learned
Lorraine Maclauchlan, Entomologist, FLNRORD10:15 2. Elephant Hill Fire and Indigenous Leadership: Wildfire Recovery, Restoration and Forest Stewardship
Sarah Dickson-Hoyle, Faculty of Forestry, UBC
Angie Kane, CEO of the Secwepemcúl'ecw Restoration and Stewardship Society

11:00 MORNING BREAK

*Panelists' Presentations resume*11:15 3. How Does Collaboration and Community Input to Management Plans Affect Operations On the Ground ?
Jennifer Gunter, Executive Director, BC Community Forest Association11:45 4. An Update on Forest Landscape Planning in BC
Barry Snowdon, Sustainable Forest Management Team Lead, FLNRORD
David Lishman, Values Coordinator, FLNRORD

12:15 BREAK FOR LUNCH

2022 SISCO WINTER WORKSHOP

Silviculture in a Changing Physical and Political Environment

Day One continued

12:55 *Panel 2: How Rural Communities with Forestry-Based Economies Adapt to Change*

Communities in transition from an economy based mainly on the forest industry to one depending on a wider range of resources and enterprises are replete with opportunities for renewal and re-invention. Towns that recently may have relied mostly on forestry expertise and capacity now need a broader demographic with different skills and visions. Most importantly, local forestry companies need to be able to adapt and change in order to keep such a valuable component of our provincial wealth - our forest industry - viable and relevant for the cultural and economic well-being of our rural communities. The role of provincial and municipal government is fundamental to enabling and supporting this transformation. We'll explore all this, and more!

Moderator: Doug Lewis, Stewardship Evaluation Forester, FLNRORD

Keynote Speaker (includes time for Q&A)

1:00 In Flux: The Impacts of a Transforming Forestry Sector on Community Well-being in the US West
Erin Kelly, Professor, Humboldt State University, California

Panelists' Presentations (includes time for Q&A)

1:45 1. Different Post-Timber Production Community Pathways In Oregon
Michael Coughlan, Ecological Anthropologist, Oregon State University

2:30 AFTERNOON BREAK

2:45 2. Building a Community: the District of Clearwater from 2008 till Now
Leslie Groulx, Retired Chief Administrative officer, District of Clearwater

3:30 3. The Community of Quesnel: Elements of Adaptation, and a Pilot for FLNRORD Landscape Planning
Bob Simpson, Mayor of Quesnel

4:15 ADJOURN FOR THE DAY

2022 SISCO WINTER WORKSHOP

Silviculture in a Changing Physical and Political Environment

Day Two: Wednesday, March 2, 2022

8:20 ANNOUNCEMENTS
John Karakatsoulis

8:25 *Panel 3: Climate Change Adaptation*

Climate Change is not happening as a gradual change - we are experiencing it as a series of sudden extreme events which sometimes have cumulative effects on forests. Silviculture and forest management must adapt to this new climate of unpredictable change. We explore here some thoughts about how this can be done, some current research into these phenomena, and some practical approaches to mitigation that focus on adaptation.

Moderator: Rainer Muentner, Forest Manager, Monticola Forest

8:30 *Keynote speaker (includes time for Q&A)*

Expecting the Un-Expected – Our Capacity to Adapt to Climate Change and Extreme Events / What Elements of Ecosystem Capacity Will Increase the Forest's Survival of Extreme Events and How Can We Manage for High Ecosystem Capacity?

Klaus Puetzman, Edmund Hayes Professor in Silviculture Alternatives, Oregon State University

Panelists' Presentations (includes time for Q&A)

9:15 1. Fire and Climate Change – What Does The Future Hold?

Mike Flannigan, BC Innovation Research Chair in Predictive Services, Emergency Management and Fire Science, Faculty of Science, TRU

10:00 2. The Impact of Drought and Extreme Heat on Forest Health: Escalating Drought Events and Repercussions on Forest Health

Lorraine Maclauchlan, Entomologist, FLNRORD

10:30 MORNING BREAK

Panelists' Presentations resume

10:45 3. Can Genetic Variation in Drought and Cold Tolerance be Harnessed for Reforestation in New Climates?

Sally Aitken, Professor and Associate Dean - Research and Innovation, UBC

11:30 4. Climate Change Adaptation Instead of Mitigation - Building Kane Lake Ranch to Bend With Nature Rather Than Fight Against It

John Anderson, Owner / Manager, Kane Lake Ranch, Merritt

12:15 BREAK FOR LUNCH

2022 SISCO WINTER WORKSHOP

Silviculture in a Changing Physical and Political Environment

Day Two continued

12:40 *Panel 4: Silviculture in a Changing Climate*

As extreme weather events continue to impact regenerating forests, alternative (to clear cutting) silviculture systems and viable approaches to uneven aged management are increasingly necessary to ensure the best chances of survival of young forests in dry climates. The economics of uneven aged management needs re-evaluation in light of this extreme climate change. On the research front, the impacts of plastic use in the silviculture industry is under scrutiny, and there is an update on the provincial free growing framework in BC. It will be interesting to consider our current responses to evolving climate circumstances, in light of the extensive research carried out at the end of the previous century under the Montane Alternative Silviculture Systems project.

Moderator: Kailee Woodbeck, Silviculture Forester, Kalesnikoff Lumber Company

12:45 *Keynote Speaker (includes time for Q&A)*

Montane Alternative Silviculture Systems (MASS) – What Did We Learn; How Have We Changed?
Bill Beese, RPF, Research Associate, Vancouver Island University

Panelists' Presentations (includes time for Q&A)

1:30 1. Reforesting Dry Sites in the Thompson Okanagan Natural Resource Region

Colin Hegan, Silviculture Specialist, Forsite Consultants

John Hopper, Silviculture Extension Specialist, Office of the Chief Forester, FLNRORD

2:15 2. Free Growing Working Group: Beyond the Milestone

Taisa Brown RPF, Silviculture Performance Assessment, Office of the Chief Forester, FLNRORD

2:45 AFTERNOON BREAK

Panelists' Presentations resume

3:00 3. Plastic! It's Use in Silviculture

Nigel Fletcher, Forest Investments Analysis Specialist, FLNRORD

3:30 4. How To Make Silviculture Systems Other than Clearcutting Viable

Rainer Muentert, Forest Manager, Monticola Forest

4:15 5. The State Of Provincial Reforestation Current Situation and Future Predictions

Neil Hughes, Forest Establishment Leader, Harvesting and Silviculture Practices, FLNRORD

5:00 ADJOURN FOR THE DAY

2022 SISCO WINTER WORKSHOP

Silviculture a Changing Physical and Political Environment

Day Three: Thursday, March 3, 2022

8:15 ANNOUNCEMENTS AND SISCO AGM

Chair's Report: Jill Werk

Scholarship Report: John Karakatsoulis

Treasurers Report: Dean Christianson

Elections: Jill Werk

8:25 *Panel 5: Old Growth Deferrals*

In our new world of climate change and upheaval in so many arenas, Old Growth Forests have come to have iconic meaning and a symbolic place in our collective psyche, while simultaneously having a very real and pragmatic place in our forest harvesting plans. The ability to honour the one and manage for the other is the challenge we face today. The need to define Old Growth, then measure and map it as precursor to all next steps is a pivotal undertaking that underlies all future management strategies. This panel will explore these ideas and provide the opportunity to discuss them. Our final presentation of this year's Winter Workshop will bring us back down to earth for a visual exploration of Old Growth management in BC's interior forest.

Moderator: Doug Lewis, Stewardship Evaluation Forester, FLNRORD

8:30 *Keynote Speaker (includes time for Q&A)*

The Values of Old Growth Forests: Characteristics, Functions, Distribution, Succession, Etc!

Deb MacKillop, Research Ecologist, FLNRORD

Panelists' Presentations (includes time for Q&A)

9:05 1. *Paradigm Lost (?): The Dangers of Competing Science and Old Growth. Analogies with the Last 30 Years of Climate Debate*

Dr. Rachel Holt, Ph.D., R.P.Bio, Veridian Ecological Consulting

9:40 2. *The Status of BC's Old Forests in 2021*

Cam Brown, Strategic Planning Forester, Forsite Consultants

10:15 *Question Period for First Three Speakers*

10:30 MORNING BREAK

Panelists' Presentations resume

10:45 3. *One Indigenous Perspective Regarding the Values of Old Growth*

Adam Olsen, Tsartlip First Nation, Green Party MLA for Saanich North and the Islands

11:15 4. *Identifying and Ranking Old Growth Stands using LiDAR and Expert Opinion: A Collaborative Approach on Canfors TFL14*

Kari Stuart Smith PhD., RPBio, PBIol., Biodiversity and Wildlife, Canadian Forest Products

Cam Brown, Strategic Planning Forester, Forsite Consultants

11:45 5. *The Social and Economic Impact of Old Growth Deferrals on the Community of Revelstoke*

Mike Copperthwaite, Manager / Kevin Bollefer, Operations Forester, Revelstoke Community Forest Corp.

12:15 6 *An Illustrated Perspective on Proposed Old Growth Deferrals*

Al Waters RPF (Retired)

1:00 CLOSING REMARKS AND ADJOURN