

SISCO 2018 SISCO Winter Workshop

SOUTHERN INTERIOR
SILVICULTURE COMMITTEE

The Coast Hotel, Kamloops

February 12 - 14, 2018

Forest Management Practices in the Context of Climate Uncertainty: Using Silvicultural Tools to Address Droughts and Wildfire Rehabilitation

In BC's Southern Interior, the summer of 2017 was marked by historic losses to wildfire and widespread drought, clearly showing yet again that in spite of the best made plans ... "nature rules".

Our 2018 Winter Workshop agenda explores some of the background and issues brought up by the 2017 season, and the likely future conditions forest and range managers will need to address. The wildfires and drought affected many economic, ecological and social values, clearly illustrating how closely intertwined Southern Interior communities are with their surrounding environment. SISCO speakers will present their views and engage with the audience in a dialogue on stand and landscape management practices important to a number of challenges including regenerating drought-prone sites, addressing the salvage and rehabilitation of wildfire areas and best management practices to anticipate and prepare for future droughty seasons. Come join us in discussing and contributing to the next steps in the never-ending journey of improving forest and range management practices.

Registration Evening: Monday, February 12, 2018

The Coast Hotel, Romeo's Lounge, Kamloops

6:30 pm

Registration, Cash Bar with Hosted Snacks, and Social Time

Day One: Tuesday February 13, 2018

7:55 Welcome & Opening Remarks
Rainer Muentner, Monticola Forest
2018 SISCO Chair

8:00 *Panel 1: Management Practices to Maintain Desired Forest and Grassland
Values in an Era of Fluctuating Environmental Conditions*

Moderator: John Karakatsoulis

This panel explores the climate and associated disturbances that affect the characteristics of the forest and grasslands that surround our communities.

Key Note Speaker: Francis Zwiers, Pacific Climate Impact Consortium, University of Victoria

Climate Uncertainty: Are We Facing an Increase in the Frequency and Severity of Extreme Events?

8:45 *Panel Presentations (each presenter has 15 mins present time plus 5 mins question time)*

1. *Stand and Landscape Management and Disturbance Effects on Water Quantity and Quality in a Fluctuating Environment*

Rita Winkler, Research Scientist, FLNRORD

2. *Insect Pest Management in the 21st Century Forest Environment – the Bigger Picture; How Climate Change Exposes Stands to Different Stresses*

Lorraine Maclauchlan, Research Scientist, FLNRORD

3. *The Ecology of Grassland and Forage Management in the Context of Uncertain Weather*

Lauchlan Fraser, Professor, Biological Sciences, Thompson Rivers University

Wrap Up (5 mins)

9:50 Coffee

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Day One continued

10:15 *Panel 2: Social and Economic Effects of Fire in Our Communities*

Moderator: Ian Cameron

In 2017, fires both close and far from communities affected the economic, social and ecological relationship between communities and the surrounding forests and grasslands. This panel addresses some of the issues highlighted by the fires of 2017 and how wildfires can affect the short-term and long-term condition of communities.

Key Note Speaker: Mike Flannigan, Renewable Resources, University of Alberta
Climate Change and Wildfire – How Will We Manage Fire in the Future

11:00 *Panel Presentations*

1. *Provincial Summary of What Burned, How Much, and Where*
Atmo Prasad, Forest Analysis and Data Management, FLNRORD
2. *Effects on Communities: Industry Losses, Impacts on Human Health, Numbers of Evacuees and How Much was Spent on Evacuations, Etc!*
Mike Knauff, Director, Emergency Measures, Provincial Emergency Program
3. *Effects on the Livestock Industry*
Kevin Boone, Manager, BC Cattlemen Association
4. *Effects on Tourism*
James Rodger, Tourism - Adventure Studies Department, Thompson Rivers University
5. *Effects on the Forest Industry*
Jeff Mycock, Chief Forester, West Fraser Mills

Wrap Up (5 mins)

12:45 Lunch

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Day One continued

- 1:45 *Discussion Sessions 1 - 7*
1. *Industry Perspective on Recovery in the 2017 Wildfire Areas*
Jeff Mycock, Chief Forester, West Fraser Mills
 2. *The Process and Implementation of FRPA Section 108 to Rehabilitate Fire Damaged Stands and the Process for Identifying and Rehabilitating Severely Burned Immature Stands*
Nigel Fletcher, Resource Practices Branch, FLNRORD,
Nina Sigloch, FLNRORD
 3. *Projected Changes In Fire Behaviour*
Mike Flannigan, Renewable Resources, University of Alberta
Cordy Tymstra, Renewable Resources, University of Alberta
 4. *Are We Facing an Increase in the Frequency and Severity of Extreme Events?*
Francis Zweirs, Pacific Climate Impact Consortium, University of Victoria
 5. *Direct Seeding: What's Involved, What Makes it Successful, Costs, Pros, Cons, Etc!*
TBA
 6. *Operational Perspectives on Managing Regeneration on Droughty Sites*
Darius Bucher, Integral Forest Management
 7. *The Science Behind Effective Fuel Management Treatments*
Kelly Osborne, BC Wildfire Service, FLNRORD
- 2:45 Coffee on the run
- 3:00 *Discussion Sessions 1-7 Repeated*
- 4:00 Adjourn for the day
- 5:00 Cash Bar Opens
- 6:00 Banquet
- 7:30 *Climate Change, Managing Green House Gas Emissions and the Role of Forest Management in BC*
Werner Kurz, Forest Ecologist, Pacific Forestry Center, Canadian Forest Service

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Day Two: Wednesday February 14, 2018

7:55 Announcements
Rainer Muentner, 2018 SISCO Chair

8:00 *Panel 3: Applying Stand and Landscape Management Practices to Achieve Multiple Values*

Moderator: Walt Klenner

There is a relatively well-developed science behind livestock management, silviculture, harvesting, prescribed fire, and other treatments to develop the forest and grassland conditions compatible with the objectives of landowners or social objectives on public lands. This panel explore some of the tools and practices that can lead to an increased likelihood of success, and examine how the application and integration of approaches and values across larger spatial scales is essential to treatment efficacy.

Key Note Speaker: Paul Hessburg, Research Landscape Ecologist, USDA-FS, Pacific Northwest Research Station

Moving Towards the Design and Implementation of Coordinated Stand and Landscape Treatments to Manage Fire Behaviour

8:45 *Panel Presentations (each presenter has 15 mins present time plus 5 mins question time)*

1. *The Role of Visualization in Community Understanding of Landscape Issues Like Fire*
Stephen Sheppard, Professor, Collaborative for Advanced Landscape Planning,
University of British Columbia

2. *Targeted Grazing, Complementing Stand Management with Targeted Livestock Grazing to Manage Forest Fuels and Wildfire Behaviour*
TBA

3. *Forest Mgmt Practices for Dry Sites to Improve Seedling Survival in Droughty Conditions*
Bruce Larson, Professor, Forest Resources Management, University of British Columbia

4. *Predicting Human Caused Forest Fires – Remote Sensing; Vegetation Signatures and Their Use as Fire Predictors*
Paul Pickell, Post-Doctoral Research Fellow, University of British Columbia

Wrap Up (5 mins)

10:10 Coffee

10:30 *Proactive and Sustainable Silviculture to Achieve Multiple Objectives: Re-establishing the Fundamentals As We March Toward An Uncertain Future*
John Bailey, Professor, College of Forestry, Oregon State University

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Day Two continued

11:15

Discussion Sessions 8 – 14

8. Using Silviculture to Achieve Multiple Objectives

John Bailey, Professor, College of Forestry, Oregon State University

9. Regenerating Dry IDF Sites – Approaches to Addressing the Known Knowns and the Known Unknowns – Soil Moisture and Seedling Performance in Relation to Harvest Treatment and Silviculture Options in the Dry Idfxh

Alan Vyse, Research, FLNRORD (retired)

Brian Wallace and Walt Klenner, Research Section, TO Region, FLNRORD

10. Reconciling Desired Conditions and Objectives with Forest and Range Management Treatments Across Multiple Stands

Paul Hessburg, Research Landscape Ecologist, USDA-FS, Pacific Northwest Research Station

11. Interactions Among Livestock Grazing, Vegetation Type and Fire Behaviour in the Murphy Wildland Fire Complex in Idaho and Nevada

TBA

12. Forest Management Practices for Dry Sites to Improve Seedling Survival in Droughty Conditions

Bruce Larson, Professor, Forest Resources Management, University of British Columbia

13. Landscape Planning - Visual Demonstration

Stephen Sheppard, Professor, Collaborative for Advanced Landscape Planning, University of British Columbia

14. Opportunities for Forest Carbon Management in BC

Werner Kurz, Forest Ecologist, Pacific Forestry Center, Canadian Forest Service

12:15

Lunch

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Day Two continued

1:15 *Discussion Sessions 8 – 14 repeated*

Food for Thought on the Drive Home

Introducer: Rainer Muentner

2:15 *Fuel Management Planning For Communities Case Study: Landscape Level Strategic Fuel Management in Complex Topography*

Tom Bradley, Forestry Supervisor, Slocan Integral Forestry Cooperative

3:00 *Report From Our Chief Forester*

Diane Nicholls, Chief Forester, FLNRORD

3:30 Closing Remarks

Rainer Muentner

Conference and Registration Details

Accommodation / Hotel Information

The conference venue is The Coast Hotel, located just off Hwy 1, #1250 Hillside Way. Rooms for our delegates are \$98 standard single. For reservations call 250 828-6660 ext.2 (GroupBookings), or Central Reservations: 800 716-6199. Quote "sisco", or "GFC6458".

Registration Information

SISCO does not invoice for registration fees; the registration form can be used as an invoice.

Payment in advance is by cheque (payable to sisco) or credit cards: Mastercard and Visa
Payment at the door is by cheque or cash.

Early Registration on or before January 21, 2018 (Payment can follow later)

Registration with all meals: \$400 (includes banquet 2 lunches, and coffee breaks)

Registration without banquet: \$375 (includes 2 lunches and coffee breaks)

Late Registration on or after January 22, 2018 (Payment can follow later)

Registration with all meals: \$450 (includes banquet, 2 lunches, and coffee breaks)

Registration without banquet: \$425 (includes 2 lunches and coffee breaks)

Student Registration: \$100 (includes 2 lunches, coffee breaks and banquet)

Research Posters and Trade Show Commercial Booths

There is no extra charge (other than the workshop registration fee) for bringing a poster or a trade show booth; every person accompanying the poster or booth must register and pay the reg fee. If you are bringing a poster or booth, please complete the Research Poster / Trade Show Booth form.

Cancellations and Substitutions

Cancellations received on or before January 14 receive full refund minus \$50 admin fee.

Cancellations received on or after January 15 will not receive a refund.

New: Substitutions are a Cancellation plus a new Registration, and both are subject to cut-off dates with regards to the admin fee and the Early / Late Registration date fee.

Please complete and email your Reg Form as an attachment to aaa@netidea.com

or Fax Registration Form / Mail Registration Form and payment to:
SISCO, 305 – 622 Front Street, Nelson BC V1L 4B7 Fax: 250 352-2211