

SERG INTERNATIONAL
2025 WORKSHOP - Delta Hotel, St. John's NL
PROGRAM



Monday, February 3

Reception

7:00-9:00 pm

Tuesday, February 4

Opening Remarks: City & Province

Mayor Breen
Jeff Motty

9:00 am

Newfoundland and Labrador Session

Spruce Budworm in NL

Jeff Motty - GNL

9:05 am

CFIA Forestry Pest Surveillance Update NL

Jane Noseworthy
CFIA

9:25 am

Wildfire in NL

Craig Coady/Jeff
Motty GNL

9:40 am

Coffee Break

10:30 am

Other Research

Assessing forest vulnerability to climate-induced moisture stress and disturbance across the western boreal region

Asif Haider Khan
(Mark Vanderwel)
U.Regina

11:00 am

Conservation of Winnipeg's Urban Elm Population using Remote Piloted Aircraft Technology to Improve Dutch Elm Disease Management Strategies

Richard Westwood
U.Winnipeg

11:25 am

The use of drone sensors and other remotely sensed data for detection and monitoring of forest pests in Atlantic Canada.

Doug Piercey
NRCan-AFC

11:50 am

Lunch

12:15 pm

Spruce Budworm

Impacts of spring temperature variability on spruce budworm performance and survival

Eric Moise
NRCan-AFC

1:15 pm

Uncontrolled vs-controlled Spruce Budworm (SBW) populations with increasing intensity of Btk applications: impact on natural enemies and pollinators

Christian Hébert
NRCan-LFC

1:40 pm

Environmental drivers of parasitoid dynamics for a major forest insect pest during a management program

Jamie Warren
(Joe Bowden)
NRCan-AFC

2:05 pm

Range shift of spruce budworm and black spruce mortality under climate change

Eric Moise
(Deepa Pureswaran)
NRCan-AFC

2:30 pm

Coffee Break

2:55 pm

Spruce Budworm Knowledge Synthesis (KS)

Barry Cooke
NRCan-AFC

3:25 pm

Timing is everything: Phenological synchronization of spruce budworm and its boreal host trees

Annie Deslauriers
UQAC

3:50 pm

The effect of needle C:N ratio, water content and available sugars on spruce budworm development

Matthias Ahmad
Mslati UQAC

4:15 pm

Metabarcoding assessment to characterize the host-parasitoid interactions in the Spruce Budworm

Veronique Martel
NRCan-LFC

4:40 pm

End of Day

5:05 pm

Wednesday, February 5		
Graduate Student Awards		
Regime shifts in growth and NDVI explain mortality in black spruce forest under spruce budworm defoliation	Bijay Pandeya PhD, UQAC	9:00 am
Establishing Baseline Values of Oak Wilt DNA in Active and Non-Active Stands for Early Detection	Cailyn Carscadden MSc, U. Toronto	9:25 am
Genomic Detection and Monitoring of the Dutch Elm Disease	Alice Li MSc, UBC	9:50 am
Coffee Break		
Predicting the distribution and impact of HWA in Ontario	Cameron Cornelsen MSc, U. Toronto	10:45 am
Btk Treatments Have Indirect Non-Target Impacts on Parasitoids	Nicolas Boucher PhD, U. Laval	11:10 am
Insect herbivores in plantations and under-canopy regeneration: pests and biodiversity	Emma Despland Concordia	11:35 am
Lunch		
Forest Invasive Alien Species		
Rearing, release and evaluation of exotic parasitoids for biological control of the emerald ash borer in Canada	Chris MacQuarrie NRCan-GLFC	1:15 pm
Predicting the environmental risk of chemical control of Hemlock Wooley Adelgid	Christopher Edge NRCan-AFC	1:25 pm
Developing tools to assess risk and respond to hemlock woolly adelgid in eastern Canada	Chris MacQuarrie NRCan-GLFC	1:50 pm
Feasibility assessment of classical biological control of the hemlock woolly adelgid in Nova Scotia, including post-release assessment using molecular methods	Lucas Roscoe NRCan-AFC	2:15 pm
Identification of spongy moth natural enemies using a qPCR-based molecular tool: a proof-of-concept study.	Veronique Martel (Sandrine Picq) NRCan-LFC	2:40 pm
Coffee Break		
Chemical ecology of classical biological control agents of Adelges tsugae (Annand) (Hemiptera: Adelgidae)	Lucas Roscoe NRCan-AFC	3:35 pm
Flight behavior, degree day models, and identification of potential nitidulid beetle vectors of oak wilt along the northern range of oaks in Canada	Sharon Reed OMNR	4:00 pm
LepDrop - Droplet Characterization	Sponsor Maria Gonzalez Valent Biosciences	4:25 pm
End of Sessions Today		
Banquet Dinner		
		6:30-9:30 pm

Thursday, February 6		
Mountain Pine Beetle		
Improving monitoring tools to detect mountain pine beetle at low densities in novel habitats: investigating the role of fungal volatiles in beetle attraction-Field testing-Part II	Nadir Erbilgin U. Alberta	9:00 am
Investigating the role of fungal volatile compounds emitted from antagonistic fungi on mountain pine beetle attraction at low-density populations in novel habitats	Nadir Erbilgin Leah Crandall U. Alberta	9:25 am
Niche differentiation of mountain pine beetle (MPB) in jack pine: identifying the performance of MPB, bark beetle competitors, and associated fungi in jack pine under a range of environmental conditions	Jennifer Klutsch NRCan-NoFC	9:50 am
Coffee Break		10:15 am
Mountain Pine Beetle in New and Changing Climates: Incorporating Seasonality into the Climatic Suitability Index	Kathy Bleiker NRCan-PFC	10:45 am
Understanding endemic and emerging MPB populations to forecast risk	Jennifer Klutsch NRCan-NoFC	11:10 am
Susceptibility of Regenerating Stands to Mountain Pine Beetle	Kathy Bleiker NRCan-PFC	11:35 am
End Workshop		