First Announcement

Climate change is causing northward shifts in species ranges. For mobile species such as insects this will increase their access to forest ecosystems where in the past their presence and impact was limited. Such range expansion and increase in outbreak severity of forest pests are occurring in Europe and North America. Temperature-mediated phenological changes and trophic interactions among host trees, herbivorous insects and their natural enemies are linked to understanding the long-term effects of range expansion on boreal ecosystems. The degree to which northern forest ecosystems are resilient to novel disturbance regimes will have direct consequences on the provisioning of goods and services from these forests and on long-term forest management planning.

The goal of this IUFRO workshop is to encourage discussions and foster international research collaborations on a major consequence of climate change on the resilience of northern ecosystems through a field visit, posters, scientific presentations and discussions. Presentations and poster sessions are welcome on themes related to the potential impacts of climate change on phenology, tree: insect interactions, ecosystem resilience, trophic interactions, ecosystem processes affected by changing disturbances and their economic and social consequences.

During this workshop, we will visit forests in northern Quebec that are affected by a spruce budworm outbreak that started in 2006. Spruce budworm outbreaks occur every 30-40 years, making this a rare opportunity. Participants will witness firsthand the damage caused by the spruce budworm and observe the different life stages of the pest as we visit stands with different levels of defoliation.

Conference delegates will experience and enjoy the vast wilderness of eastern Canada and participate in local culinary and cultural activities. The workshop will be limited to a group of 50 participants.

For more information: Pierre Godbout (pierre.godbout@canada.ca)

Web Site: https://tinyurl.com/IUFROquebec2016

Sponsored by IUFRO unit **8.01.06 – Boreal and Alpine Forest Ecosystems** and co-sponsored by IUFRO units **7.03.05 – Ecology and Management of Bark and Wood Boring Insects** and **7.03.07 – Population Dynamics of Forest Insects**

cfr Centre for Forest Research

Forêts, Faune et Parcs Québec

Ressources naturelles Canada / Natural Resources Canada / Canada

UQÀM