



U.S. Fish & Wildlife Service

National Conservation Training Center

Training Announcement

Forest Ecology and Management Webinar Series

"Assessing Future Changes in Fire Risk in the Northeastern United States using the Keetch-Byram Drought Index (KBDI) "

Presenter:

Daniel Miller: Hydrologist, Division of Natural Resources and Conservation Planning, US Fish and Wildlife Service, Northeast Region

Webinar Description

One poorly understood consequence of climate change is its effects on extreme events such as wildfires. Robust associations between wildfire frequency and climatic variability have been shown to exist, indicating that future climate change may continue to have a significant effect on wildfire activity. The Northeastern United States (NEUS) has experienced severe, catastrophic historic wildfire outbreaks, such as the Miramichi Fire of 1825 and the Maine fires of 1947. However, little is known about how the direct effects of climate change (temperature & precipitation) will impact fire risk in the NEUS under future climate scenarios.

Presentation Objectives:

- (1) Present a regional assessment of climatological fire risk using a multi-model ensemble from the Coupled Model Intercomparison Project Phase 5 (CMIP5) and the Keetch-Byram Drought Index (KBDI)
- (2) Demonstrate the accuracy of climate models in reconstructing modeled KBDI compared to observational KBDI from regional meteorological stations
- (3) Highlight regional and sub-regional changes in future fire risk and the causes of said changes.

Date

Tuesday, March 2, 2021

Time

1:00 pm – 2:00 pm ET

Who Should Attend

U.S. Fish and Wildlife staff and partners who are involved with or, who are interested in forestry ecology and habitat management.

To Join the Webinar

1. Go to: [WebEx Registration](#)
2. Click "Register".
3. On the registration form, enter your information and then click "Submit".

Audio Conference: 1-415-527-5035

Access Code: 199 196 0659

Please contact John Ossanna if Closed Captioning is required.

This webinar will be recorded and available on the NCTC Webinar Gallery 2-3 weeks after the event.

<https://nctc.fws.gov/topic/online-training/webinars/forest-ecology-and-management.html>

Contact

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The Forest Ecology and Management Webinar Series is sponsored by the U.S. Fish and Wildlife Service's Forest Ecology Working Group (FEWG). The FEWG is a forest ecology based community of practice for individuals to share forest ecosystem expertise and information.

For more information contact:

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