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Assessing species risk & adaptability to climate change via species distribution models, life history traits & dispersal models.

Dr. Louis Iverson — _Landscape Ecologist, US Forest Service Northern Research Station_
Co-authors: A. Prasad, S. Matthews, and M. Peters

Other webinar agenda items:

Data Spotlight:
Barbara O'Connell
USFS Northern Research Station, on
Forest Inventory & Analysis

Powell Center for Analysis & Synthesis
Overview & proposal process

Other Announcements

Submit future announcements, data spotlight proposals or request to join mailing list here

ABSTRACT

The climate is changing, and tree species currently residing at a specific location are at variable levels of risk of change (increase, decrease, or stay put), depending on where they are relative to their overall distribution, their particular traits, and the severity of the changing conditions. We attempt to assess this species risk (in various regions of the eastern U.S.), and their capacity to adapt to a changing climate, through a series of modeling schemes which use species distribution models, life history traits, and dispersal models. We develop species tables, graphs, and maps of risk for particular regions, and have begun to assess some means of adaptation, including models of assisted migration.

WHEN?
Tuesday, February 19nd from 1 to 2pm EST. Louis will present for 30 minutes, followed by Q&A. Agenda items listed to the left will comprise the balance of time.

WHO SHOULD PARTICIPATE?
Federal, state & local land managers; federal and university landscape science researchers; climate change coordinators; GIS & remote sensing application specialists; NGO representatives, land use planners and other interested citizens.
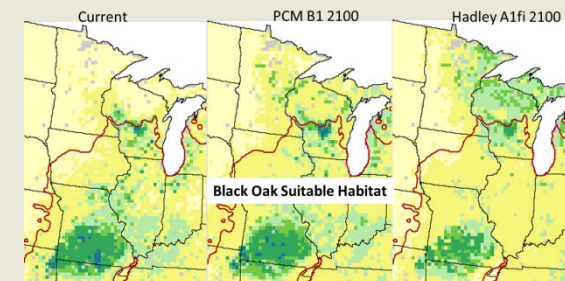
WEBINAR CONNECTION DETAILS
Click here to JOIN THE MEETING up to 30 minutes prior. Audio is exclusively via phone: **1-888-858-2144**, **passcode 1418655**. First time user or having trouble? Troubleshoot here.

Live captioning here.

Multi-stage Modeling Scheme:

Black Oak Suitable Habitat

Current   PCM B1 2100   Hadley A1fi 2100
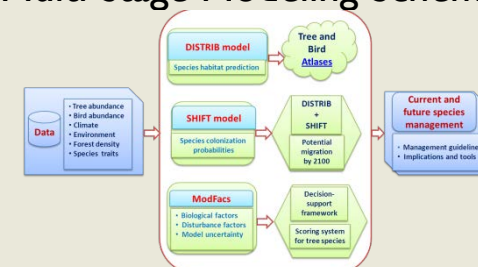
Black Oak Suitable Habitat

Climate Change Tree Atlas
A decision-support tool based on this research.