Nature-based Solutions - Carbon in Healthy Forest Ecosystems

NEW JERSEY AUDUBON PRESENTS

A Panelist Discussion and Q&A on managing for healthy New Jersey forest ecosystems. The third in a series of healthy forest webinars.

Join New Jersey Audubon and leading state and national experts for this timely discussion on carbon cycling in forest ecosystems in general and in New Jersey.

NEW JERSEY AUDUBON
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Robert Mendelsohn, PhD: Edwin Weyerhaeuser Davis Professor at Yale University where he has taught since 1984. He received his BA from Harvard University in 1973 and his PhD from Yale University in 1978. Dr. Mendelsohn is a resource economist who specializes in valuing the environment. Dr. Mendelsohn has specialized in quantifying the benefits of environmental management. With colleagues, he has valued the marginal damages of air pollution emissions across the US, local hazardous waste pollution, local wildlife populations, recreation areas, oil spills, timber, and non-timber forest products from tropical forests. Since 1994, Dr. Mendelsohn has been measuring the impacts from climate change around the world. He has studied climate impacts in over 40 countries around the world. An important aspect of this climate research is studying how people, farms, and firms adapt to climate in different places. With colleagues, he has also studied using forests for carbon mitigation.

Julia Burton, PhD: Associate Professor, Michigan Technological University and Adjunct Associate Professor, SUNY College of Environmental Science and Forestry. Dr. Burton's research examines the role of silviculture in sustaining a broad range of values, functions and services in forests such as carbon sequestration, wildlife habitat, biodiversity and cultural values, as well as timber production. We develop robust experimental and analytical frameworks to determine whether and how silvicultural management can be used to sustain these values in the face of changes in climate and disturbance regimes. Our research has real-world implications for agencies, landowners and conservation organizations tasked with managing forests for a range of ecosystem services in an increasingly uncertain world. Click here for more information.

Karina VR Schäfer , PhD, Associate Professor, Rutgers Newark. The primary research interests of Dr Schäfer lie in the realm of global change and its effects on terrestrial ecosystems. To this point, her research has focused on refining carbon budgets of forest ecosystems through sapflow based canopy conductance. This model has been applied to the New Jersey Pinelands to investigate the impact of disturbance on the forest carbon balance. In a current project we are working on assessing natural based solution to climate change by assessing the carbon sequestration potential of forests, wetlands and grasslands. Once a model has been parameterized and validated at a specific site, climate change scenarios can be tested.

Bernard Isaacson, MS: Assistant Regional Forester, New Jersey Forest Service. A scientific advisor within a land management agency, Mr. Isaacson's professional background includes project leadership, stewardship plan development and implementation, data analysis, synthesis, and stakeholder outreach. His research focuses on using remote sensing and forest inventory to describe the relationships between forest occupancy and competing natural resource objectives, such as water availability, habitat, forest health, and forest carbon. Mr. Isaacson emphasizes facilitating stakeholders to see themselves themselves as having an active and ongoing role in the condition of their natural resources.

October 20, 2021

10 - 11:30 AM

REGISTER

Golden-winged Warbler – S. Buckingham