

Talks and events discussing NEON at ESA 2023 (External Leads)

<u>Time</u>	<u>Type</u>	<u>Lead</u>	<u>Title</u>
Sunday, Aug 6			
1:00 PM – 4:00 PM	Short Course	William Wieder	SC 15 - Opportunities in Ecological Research Provided by Integrating NEON Measurements and NCAR Modeling
Monday, Aug 7			
11:45AM-1:15PM	Workshop	Freya Olsen	Can You Predict the Future? Introducing the NEON Ecological Forecasting Challenge
2:45PM-3:00PM	Contributed Talk	Madison Peters	Drivers of food web patterns across North America
3:30PM-3:45PM	Organized Oral Session	Ben Weinstein	Towards general models for airborne ecological monitoring
3:45PM-4:00PM	Contributed talk	Benjamin Baiser	Continental-scale drivers of species-area relationships across the National Ecological Observatory Network (NEON)
Tuesday, Aug 8			
10:00AM-11:30AM	Inspire Session	Sergio Marconi	Continental-scale hyperspectral tree species classification in the United States National Ecological Observatory Network
11:00AM-11:15AM	Contributed talk	Mike Dietze	Landscape-scale iterative forecasting of terrestrial carbon pools and fluxes : a Harvard Forest testbed
1:45PM-2:00PM	Contributed Talk	David Manning	Consistent stream seston carbon:nitrogen stoichiometry at the continental scale
1:30PM-1:45PM	Contributed Talk	Josie Otto	NEON in the classroom: a systematic review of what and how NEON data are used to promote ecological literacy
3:30PM-3:45PM	Contributed Talk	Daniel Johnson	Mortality agents driving forest turnover in eastern US forests
4:30PM-4:45PM	Organized Oral Session	Sparkle Malone	Understanding patterns in CH4 emissions across natural ecosystems
4:15PM –4:30PM	Contributed Talk	Alicia McGrew	Everything you need to know about using National Ecological Observatory Network (NEON) fish data: Guidelines for prospective and new users
4:45PM-5:00PM	Contributed Talk	Jane Foster	Changes in tree demography and health-status explain agreement between Landsat time series and forest structure at disturbed NEON sites
4:45PM-5:00PM	Organized Oral Session	J Marcos Rodriguez	Insights into drivers of tree species coexistence from Harvard Forest
Wednesday			
8:15AM-8:30AM	Organized Oral Session	Philip Townsend	Global imaging spectroscopy unlocks the potential for measuring leaf economics traits (almost) everywhere and (almost) all of the time
8:00AM-9:30AM	Workshop	Mary Lofton	Teach Quantitative Reasoning and Ecological Forecasting to Undergraduates with Project EDDIE and Macrosystems EDDIE Modules
11:00AM-11:15AM	Contributed Talk	Kelly Kerr	Temporal versus spatial variation in functional traits and their implications in forest tree species' acclimation potential
11:15AM-11:30AM	Contributed Talk	Christopher Still	Impacts of the June 2021 Heat Dome event on trees and forests of the Pacific Northwest, USA

2:15PM-2:30PM	Organized Oral Session	Danica Lombardozzi	Predicting life in the Earth system: Linking ecological observations with modeling tools
2:15PM-2:30PM	Contributed Talk	Peter Pellitier	Continental wind flow patterns structure soil fungal communities
2:30PM-2:45PM	Contributed Talk	Alicia McGrew	Size-based intraspecific trait variation-diversity relationships in freshwater fish across National Ecological Observatory Network (NEON) streams and lakes
2:30PM-2:45PM	Contributed Talk	Mary Lofton	Macrosystems EDDIE: A modular curriculum to teach undergraduates ecological forecasting using R Shiny applications improves student confidence, familiarity, and conceptual understanding
2:45PM-3:00PM	Contributed Talk	Maowei Liang	Unifying spatial scaling laws of diversity and stability
3:30PM-5:00PM	Inspire Session	Natalie Queally	Trade-offs in functional investments and tree dieback during the 2012-2016 California drought
3:30PM-5:00PM	Inspire Session	Daniel J Johnson	Seeing sick trees from above: Opportunities and challenges in forest mortality and health assessments from remote sensing
3:30PM-3:50PM	Symposium	Oliva Tabares	Culturally relevant teaching: experiences from the Ecological Forecasting Initiative working with Latinx and Native-American students and teachers
4:45PM-5:00PM	Contributed Talk	Bo Yi	How varied is soil organic carbon decomposability across a continental scale, and why?
5:00PM-6:30PM	Poster	Bridgid Wills	Assessing land use, trait, and phylogenetic influences on invasive freshwater fishes in National Ecological Observation Network (NEON) sites

Thursday

9:00AM-9:15AM	Organized Oral Session	Kyle Kovach	Assessing foliar functional traits throughout the North American NEON domains using imaging spectroscopy
10:00AM-10:15AM	Contributed Talk	John Zobitz	Modeling and validation of a half-hourly soil carbon flux product at six terrestrial core NEON sites
10:30AM-10:45AM	Contributed talk	Zoey Werbin	Forecasting the soil microbiome across the United States
10:45AM-11:00AM	Contributed Talk	Elizabeth Diaz-Claork	How is NEON leveraged to meet the 4DEE framework?
1:45PM-2:00PM	Contributed Talk	Isaac Shepard	Effects of linear disturbance on biodiversity across multiple taxonomic groups
1:45PM-2:00PM	Contributed Talk	Erica Bakker	A Molecular Observation Network (MONet) database for soil function at regional scales
2:30PM-2:45PM	Contributed talk	Stephanie Ann Bohlman	Airborne species mapping enhanced by AI-guided sampling for rare species allows enhanced landscape analysis of patterns and drivers of structural, functional and species diversity and composition
2:45PM-3:00PM	Contributed Talk	Fiona Jevon	Local and regional drivers of litter decomposition across eleven temperate forests
3:30PM-5:00PM	Inspire Session	Katherine L Shek	Detecting generalizable patterns in large-scale microbiome datasets for enhanced prediction of carbon dynamics across scales
3:45PM-4:00PM	Contributed Talk	Jesse B Nippert	Evaluating methods for measuring the leaf area index of encroaching shrubs in grasslands: from leaves to optical methods, 3-D scanning, and airborne observation