

ECOINFORMATICS IGNITE SESSION

A series of 5-minute derived data product pitches using open data from infrastructures including NEON, USA-NPN, PhenoCam, FLUXNET, AmeriFlux, NASA EOS, USGS NWIS and more.

Session Line Up:

Time	Speaker	Title
10:00	Opening Remarks	
10:10	David Failing	Creating a PhenoCam-Based Index of Fire Haze
10:20	Paul Roman	New Linkages between Canopy Photosynthetic Activity and Soil CO ₂ Concentration Profiles
10:30	Laura Puckett	Black Spruce Cover Mapping using LiDAR and hyperspectral data: A case study at the Caribou-Pokers Creek NEON site
10:40	Jeralyn Poe	Factors Influencing Model Performance of Carbon Exchange in the Arctic
10:50	Ethan Yackulic	No More Greener Grasses: Tracking Changes in PhenoCam Greenness at Rainwater Manipulation Experiments
11:00	BREAK	
11:10	Emma Reich	Using Partitioned Evapotranspiration to Understand Rapid Ecosystem Greenness Dynamics
11:20	Melissa Rose	Creating a Digital Elevation Model of the Sierra Ancha Experimental Forest to Improve U.S. Forest Service Mission-Critical Communication Objectives
11:30	Rohan Boone	New Metrics for Annual-Scale Climate Memory in Phenology using PhenoCam and NEON Data
11:40	Ivan Gonzalez	An ecological integrity index based on temporal remote sensed data
11:50	Jenna Keany	Variations in Forest Metrics between GEDI and LVIS LiDAR in African Elephant Strongholds
12:00	BREAK	
12:10	Blase LaSala	Automated Detection of Sinkholes and Karst Features from High-Resolution Aerial LiDAR
12:20	Cameron Bodine	Estimating DBH from NEON AOP LiDAR
12:30	Hao Wang	Exploring the Impacts of Wildfire to Ecosystems
12:40	Scooter Novak	Utility Consumer Data Aggregation Standard (UCDAS), v1.0
12:50	Session Wrap Up and Discussion	
1:00	ADJOURN	