# All ESA2022 Talks/Sessions Using NEON

## **Sunday, August 14, 2022**

**9:00 AM – 4:00 PM EDT**

SC 13 - Introduction to Geospatial Data Analysis in R and Application to Remote Sensing Based Tree Inventories from Neon Sites
Location: Virtual Session (Zoom)

* Organizer: [Sarah J. Graves, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634763) – University of Florida
* Co-organizer: [Sergio Marconi, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634764) – University of Florida
* Co-organizer: [Stephanie Bohlman, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634825) – University of Florida
* Co-organizer: [Ethan White, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634826) – University of Florida

*Short Course; Virtual*

## **Monday, August 15, 2022**

**11:45 AM – 1:15 PM EDT**

WK 12 - The Only Constant is Change: Programmatic Workflows to Access, Prepare and Work with NEON Plant Phenology Data to Detect Seasonal Trends
Location: 518C

* Organizer: [Katherine D. Jones](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634824) – Battelle / National Ecological Observatory Network
* Co-organizer: [Marie Faust](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319926) – National Ecological Observatory Network

*Workshop*

**2:00 PM – 2:15 PM EDT**

COS 3-3 - Impacts of systemic insecticide exposure on the movement ecology of bumble bee queens
Location: 513B

* Presenting Author: [Amanda Liczner](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706453) – University of Guelph
* Coauthor: [Elizabeth Franklin (Bates)](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706459) – Cornwall College Newquay
* Coauthor: [Nigel Raine](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1697174) – University of Guelph

*Contributed Talk*

**3:30 PM – 3:45 PM EDT**

COS 24-1 - The National Ecological Observatory Network (NEON) Biorepository: A developing community resource for accessing organismal and environmental samples and data collected at a continental-scale
Location: 513C

* Presenting Author: [Kelsey M. Yule, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391063) – Arizona State University

*Contributed Talk*

**4:30 PM – 4:45 PM EDT**

OOS 5-5 - Climate mediates the relationship between forest structural diversity and plant biodiversity
Location: 520D

* Presenting Author: [Christopher Hakkenberg](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632617) – Northern Arizona University
* Co-author: [Patrick Burns](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632618) – Northern Arizona University
* Co-Author: [Scott Goetz](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1759812) – Northern Arizona University

*Organized Oral Session*

COS 22-5 - Multimodel community forecasts of vegetation phenology: Results from year 1 of the NEON Forecasting Challenge
Location: 513A

* Presenting Author: [Michael C. Dietze](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355073) – Boston University
* Coauthor: [Kathryn I. Wheeler](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355240) – Boston University
* Coauthor: [Min Chen](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706931) – University of Wisconsin
* Coauthor: [Raphaela Floreani Buzbee](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706940) – University of California, Berkeley
* Coauthor: [Ben R. Goldstein](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1695973) – UC Berkeley
* Coauthor: [Jessica S. Guo](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390790) – University of Arizona
* Coauthor: [Dalei Hao](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706949) – Pacific Northwest National Lab
* Coauthor: [Mira Kelly-Fair](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706953) – Boston University
* Coauthor: [David LeBauer](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706954) – University of Arizona
* Coauthor: [Haoran Liu](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706957) – University of Wisconsin
* Coauthor: [Chris M. Jones](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706367) – NC State University
* Coauthor: [Charlotte Malmborg](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391291) – Boston University
* Coauthor: [Naresh Neupane](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633777) – Georgetown University
* Coauthor: [Debasmita Pal](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706958) – Michigan State University
* Coauthor: [Andrew Richardson, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632427) – Northern Arizona University
* Coauthor: [Leslie Ries](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633778) – Georgetown University
* Coauthor: [Arun Ross](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706960) – Michigan State University
* Coauthor: [Yiluan Song](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633804) – University of California, Santa Cruz
* Coauthor: [McKalee Steen](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706962) – University of California, Berkeley
* Coauthor: [R. Quinn Thomas](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355236) – Virginia Polytechnic Institute and State University
* Coauthor: [Eric Vance](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706964) – University of Colorado
* Coauthor: [Whitney M. Woelmer](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355242) – Virginia Polytechnic Institute and State University
* Coauthor: [Luke Zachmann](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706966) – Conservation Science Partners
* Coauthor: [Kai Zhu](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633803) – University of California, Santa Cruz

*Contributed Talk*

## **Tuesday, August 16, 2022**

**8:00 AM – 8:15 AM EDT**

OOS 7-1 - Estimating Uncertainty for Time Series Forecasting with Deep Neural Networks
Location: 520C

* Presenting Author: [Marcus Lapeyrolerie](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632258) – University of California, Berkeley

*Organized Oral Session*

**8:15 AM – 8:30 AM EDT**

COS 41-2 - Light color and nutrients alter freshwater phytoplankton communities and trophic transfer to zooplankton
Location: 512A

* Presenting Author: [Jake A. Swanson](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696282) – University of South Carolina
* Coauthor: [Heather E. Bruck](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696937) – University of South Carolina
* Coauthor: [David Abdulrahman](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696938) – University of South Carolina
* Coauthor: [Tammi Richardson](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696939) – University of South Carolina
* Coauthor: [Jeffry L. Dudycha](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696283) – University of South Carolina

*Contributed Talk*

**8:45 AM – 9:00 AM EDT**

OOS 7-4 - Predicting soil microbiome structure and function using genome-scale metabolic modeling
Location: 520C

* Presenting Author: [Zoey R. Werbin](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391057) – Boston University
* Co-Author: [Michael C. Dietze](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355073) – Boston University
* Co-Author: [Jennifer M. Bhatnagar](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1693041) – Boston University

*Organized Oral Session*

**10:00 AM – 10:15 AM EDT**

COS 64-1 - Climate, soil mineralogy, and mycorrhizal fungi influence soil organic matter fractions in forests across the National Ecological Observatory Network
Location: 512A

* Presenting Author: [Ashley Lang](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696914) – Indiana University
* Coauthor: [Richard P. Phillips, Ph.D.](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391542) – Indiana University
* Coauthor: [Jennifer Pett-Ridge](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696918) – Lawrence Livermore National Lab
* Coauthor: [Karis McFarlane, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696165) – Lawrence Livermore National Lab

*Contributed Talk*

**10:15 AM – 10:30 AM EDT**

COS 64-2 - Contrasting effects of climate on leaf litter production and decomposition in eastern temperate forests
Location: 512A

* Presenting Author: [Fiona Jevon](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1697843) – Yale School of the Environment
* Coauthor: [Alexander Polussa](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1705383) – Yale School of the Environment
* Coauthor: [Angela Oliverio](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632731) – Yale university
* Coauthor: [Nicholas Tait](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1705387) – Yale School of the Environment
* Coauthor: [Will Wieder](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1705389) – National Center for Atmospheric Research
* Coauthor: [Stephen Wood](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1707006) – Yale School of the Environment, The Nature Conservancy
* Coauthor: [Mark Bradford](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696019) – Yale School of the Environment

*Contributed Talk*

COS 68-2 - Growing season precipitation and fire regime distinguish dominant C4 grass lineages in the continental US
Location: 514B

* Presenting Author: [Daniel Griffith](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696824) – Oregon State University
* Coauthor: [Rongting Xu](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1700478) – Oregon State University
* Coauthor: [Ryan Donnelly](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696827) – Kansas State University
* Coauthor: [Brent Helliker](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696826) – Department of Biology, University of Pennsylvania
* Coauthor: [Che-Ling Ho](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696830) – Department of Biology, University of Pennsylvania
* Coauthor: [Jesse Nippert, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633525) – Kansas State University Division of Biology
* Coauthor: [Stephanie Pau](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696823) – Florida State University
* Coauthor: [William Riley](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696829) – Lawrence Berkeley National Laboratory
* Coauthor: [Ryan E. Slapikas](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696822) – Florida State University
* Coauthor: [Christopher Still](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696825) – Oregon State University

*Contributed Talk*

**10:45 AM – 11:00 AM EDT**

OOS 14-4 - From flux tower to carbon credit – strengths, weaknesses, opportunities, threats
Location: 520C

* Presenting Author: [Stefan Metzger](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633428) – National Ecological Observatory Network, Battelle
* Co-author: [David Durden](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633429) – National Ecological Observatory Network, Battelle
* Co-author: [Christopher Florian](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633430) – National Ecological Observatory Network, Battelle
* Co-author: [Samantha Weintraub-Leff](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633431) – NEON, Battelle
* Co-author: [Michael SanClements](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633432) – National Ecological Observatory Network, Battelle
* Co-author: [Katherine Thibault](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633433) – National Ecological Observatory Network, Battelle
* Co-author: [Paula Mabee](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633434) – National Ecological Observatory Network, Battelle
* Co-author: [Michael Kuhlman](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633435) – National Ecological Observatory Network, Battelle
* Co-author: [Ankur Desai, PhD](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633436) – University of Wisconsin
* Co-author: [Susanne Wiesner](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633437) – University of Wisconsin-Madison
* Co-author: [Kyle S. Hemes](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633424) – Stanford Woods Institute for the Environment
* Co-author: [Jitendra Kumar](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633438) – Environmental Sciences Division, Oak Ridge National Laboratory
* Co-author: [Patty Oikawa](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633410) – California State University - East Bay
* Co-author: [Kimberley Novick](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633439) – O’Neill School of Public and Environmental Affairs, Indiana University – Bloomington

*Organized Oral Session*

**11:45 AM – 1:15 PM EDT**

WK 16 - Conversations with NSF: Research, Diversity, and Training Challenges and Opportunities
Location: Virtual Session (Zoom)

* Organizer: [Kendra McLauchlan](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319921) – National Science Foundation
* Co-organizer: [Doug Levey](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634733) – National Science Foundation
* Co-organizer: [Betsy Von Holle](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633325) – National Science Foundation
* Co-organizer: [Andrea Porras-Alfaro](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634734) – National Science Foundation
* Co-organizer: [Gary Lamberti](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634735) – National Science Foundation
* Co-organizer: [Matt Kane](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634736) – National Science Foundation
* Co-organizer: [Robyn Smyth](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634737) – National Science Foundation
* Co-organizer: [Carla D'Antonia](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634738) – National Science Foundation
* Co-organizer: [Colin Orians](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634739) – National Science Foundation
* Co-organizer: [Jeremy Wojdak](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634768) – National Science Foundation
* Co-organizer: [Peter McCartney](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634741) – National Science Foundation
* Co-organizer: [Reed Beaman](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634742) – National Science Foundation
* Co-organizer: [Montona Futrell-Griggs](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634743) – National Science Foundation
* Co-organizer: [Sam Scheiner](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634744) – National Science Foundation
* Co-organizer: [Roland Roberts](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634745) – National Science Foundation
* Co-organizer: [Stephanie Hampton](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634751) – National Science Foundation
* Co-organizer: [Cheryl Dybas](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634752) – National Science Foundation

*Workshop; Career Track; Virtual*

**2:30 PM – 2:45 PM EDT**

COS 84-5 - Building partnerships and community connections through integrating large scale, open environmental data and community science: Case studies from the National Ecological Observatory Network
Location: 513A

* Presenting Author: [Marie Faust](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319926) – National Ecological Observatory Network

*Contributed Talk*

**3:30 PM – 5:00 PM EDT**

INS 7 - The Future is Hyperspectral
Location: 520A

* Organizer: [Kyla M. Dahlin](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390758) – Michigan State University
* Co-Organizer: [Shawn P. Serbin](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319891) – Brookhaven National Laboratory
* Co-Organizer: [Benjamin Poulter](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391445) – NASA Goddard Space Flight Center
* Co-Organizer: [K Fred Huemmrich](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632998) – University of Maryland baltimore county
* Co-Organizer: [David Schimel](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390432) – NASA Jet Propulsion Laboratory
* Co-Organizer: [Philip Townsend](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633000) – University of Wisconsin-Madison
* Moderator: [Alana Post](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1762278) – MSU Dept of Geography, Environment, and Spatial Sciences

*Inspire Session*

OOS 21 - Scaling water fluxes from plants to ecosystems with networks of water cycle observations
Location: 520E

* Organizer: [Steve Kannenberg](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390965) – University of Utah
* Co-Organizer: [George Burba](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632976) – LI-COR Biosciences
* Co-Organizer: [Marcy Litvak](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632977) – University of New Mexico
* Moderator: [Manuel Helbig](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1632978) – Dalhousie University

*Organized Oral Session*

**4:30 PM – 4:45 PM EDT**

COS 102-5 - ConFines: continental scale patterns of fine particulate nutrient concentrations in NEON wadeable streams
Location: 512A

* Presenting Author: [David Manning](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1664170) – University of Nebraska at Omaha
* Coauthor: [Arial Shogren](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1701103) – University of Alabama
* Coauthor: [Jon Benstead](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1701101) – University of Alabama
* Coauthor: [Zacharie Loveless](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1710617) – University of Alabama

*Contributed Talk*

## **Wednesday, August 17, 2022**

**8:00 AM – 9:30 AM EDT**

OOS 25 - The importance of understanding the historical context of long-term data sets in ecology: Learning from site history and local knowledge
Location: 520E

* Organizer: [Eric R. Sokol, n/a](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319883) – INSTAAR, University of Colorado Boulder
* Co-Organizer: [Corinna Gries](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355070) – Center for Limnology, University of Wisconsin Madison
* Moderator: [Eric R. Sokol, n/a](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319883) – INSTAAR, University of Colorado Boulder

*Organized Oral Session*

**8:00 AM – 8:15 AM EDT**

OOS 25-1 - A forthcoming database of past and current land use data for the National Ecological Observatory Network
Location: 520E

* Presenting Author: [Sydne Record](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633078) – Bryn Mawr College
* Co-author: [Samantha Olivares-Mejia](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633079) – Haverford College
* Co-author: [Frances Romero](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633080) – Bryn Mawr College
* Co-author: [Danaiijah Vilsaint](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633081) – Bryn Mawr College
* Co-author: [Kyra Hoerr](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633082) – University of Pittsburgh
* Co-author: [Cameo Chilcutt](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633083) – Michigan State University
* Co-author: [Huijie Wei](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633084) – University of Florida Gainesville
* Co-author: [Joseph Toman](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633085) – UC Berkeley
* Co-author: [Tatiana Perez](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633086) – Bryn Mawr College
* Co-author: [Benjamin Baiser](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391230) – University of Florida
* Co-author: [Phoebe Zarnetske](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1400352) – Michigan State University

*Organized Oral Session*

COS 138-1 - Spectral beta-diversity captures plant community composition across biomes
Location: 518A

* Presenting Author: [Anna K. Schweiger, n/a](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696092) – University of Zurich
* Coauthor: [Etienne Laliberté](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696093) – Université de Montréal

*Contributed Talk*

**8:30 AM – 8:45 AM EDT**

OOS 25-3 - Uncovering high resolution disturbance history across the United States
Location: 520E

* Presenting Author: [Jasper Van doninck](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355269) – Michigan State University Michigan State University
* Co-author: [Annie Smith](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633091) – Washington State Department of Natural Resources
* Co-author: [Sydne Record](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633078) – Bryn Mawr College
* Co-author: [Patrick Bills](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633092) – Michigan State University
* Co-author: [Chakata Hart](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633093) – Michigan State University
* Co-Author: [Phoebe Zarnetske](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1400352) – Michigan State University

*Organized Oral Session*

**10:45 AM – 11:00 AM EDT**

COS 144-4 - Habitat-trait interactions that control response to climate change: North American ground beetles (Carabidae)
Location: 513C

* Presenting Author: [Tong Qiu](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390534) – Duke University, Nicholas School of the Environment
* Coauthor: [Aaron J. Bell](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706159) – Department of Biology, University of Saskatchewan
* Coauthor: [Jennifer J. Swenson](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706160) – Duke University
* Coauthor: [James S. Clark](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1390924) – Duke University

*Contributed Talk*

**1:30 PM – 1:45 PM EDT**

COS 167-1 - Plants in a Human-Altered Environment (PHAE) Project: Students investigating the local importance of woody plants through independent hypotheses and collaborative data
Location: 513D

* Presenting Author: [Jason S. Kilgore](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696287) – Washington & Jefferson College
* Coauthor: [Karen Kuers](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1705632) – University of the South

*Contributed Talk*

## **Thursday, August 18, 2022**

**9:00 AM – 9:15 AM EDT**

COS 216-5 - Local climate adaptation in a widespread fungal tree pathogen
Location: 512A

* Presenting Author: [Eric W. Morrison](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1391302) – University of New Hampshire
* Coauthor: [Matt Kasson](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706155) – West Virginia University
* Coauthor: [Jeff Garnas](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706156) – University of New Hampshire

*Contributed Talk*

**11:45 AM – 1:15 PM EDT**

WK 27 - Mapping Ecosystem Changes using NEON Airborne Remote Sensing Data in Google Earth Engine
Location: 516B

* Organizer: [Bridget Hass](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1392549) – National Ecological Observatory Network
* Co-organizer: [John Musinsky](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634827) – National Ecological Observatory Network
* Co-organizer: [Kate Murphy](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634828) – National Ecological Observatory Network

*Workshop; Career Track*

**3:45 PM – 4:00 PM EDT**

COS 279-2 - Interactions between ticks and small mammals at the regional scale in a tick-borne disease system

* Presenting Author: [John R. Foster](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355239) – Boston University Department of Earth and Environment
* Coauthor: [Howard Ginsberg](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706553) – United States Geological Survey, Eastern Ecological Science Center
* Coauthor: [Shannon L. LaDeau](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1696184) – Cary Institute of Ecosystem Studies
* Coauthor: [Andrew Royle](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1706558) – United States Geological Survey, Eastern Ecological Science Center
* Coauthor: [Michael C. Dietze](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1355073) – Boston University

*Contributed Talk*

## **Friday, August 19, 2022**

**8:00 AM – 11:00 AM EDT**

SC 8 - Explore and work with harmonized continental-scale biodiversity data from NEON and the US LTER
Location: 512E

* Organizer: [Eric R. Sokol, n/a](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1319883) – INSTAAR, University of Colorado Boulder
* Co-organizer: [Colin Smith](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634756) – University of Wisconsin
* Co-organizer: [Sydne Record](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1633078) – Bryn Mawr College
* Co-organizer: [Michael Culshaw-Maurer](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1634757) – University of Arizona
* Co-organizer: [Margaret O'Brien](https://www.eventscribe.net/2022/ESA/fsPopup.asp?mode=presenterinfo&HPRID=1402362) – University of California Santa Barbara / EDI

*Short Course*