



## People, Land, & Ecosystems: Leveraging NEON for Socio-Environmental Synthesis

### Day 0 (Sunday Feb 9)

6:00PM Pre-workshop informal evening social at Fado Irish Pub  
(One Park PI #7, Annapolis, MD; same building as SESYNC)

### Day 1 (Monday Feb 10)

8:30AM **Arrive at SESYNC** - Coffee and Tea Provided

9:00AM **Welcome & Workshop Overview**

Dr. Andrew Elmore, Professor and SESYNC Senior Scholar

9:15AM **Participant Introductions**

9:45AM **What is S-E synthesis and why is it so damn hard?**

Dr. Margaret Palmer, Professor and SESYNC Director

10:30AM **Morning break** - Coffee and Tea Provided

11:00AM **NEON and the AOP: data, products, and measurements**

Dr. Tristan Goulden, Science Lead, NEON AOP

11:45AM **NEON sites relation to environmental and social gradients**

Dr. Tristan Goulden, Science Lead, NEON AOP

Dr. Andrew Elmore, Professor and SESYNC Senior Scholar

12:30PM **Group Lunch** - Provided

1:30PM **Breakout Session** - Break into 6 groups organized by research area

*Charge: What enables the use of NEON AOP for the study of socio-environmental systems? What limits its use?*

2:30PM **Breakout Group Presentations**

*Short, constructive presentations that attempt to answer the breakout question for each assigned research area.*

3:30PM **Afternoon break** - Snacks Provided

4:00PM **Snap Activity**

*Priority research areas enabled by NEON AOP*

5:00PM **Happy Hour and Adjourn for Dinner on your own**



## Day 2 (Tuesday Feb 11)

8:30AM **Arrive at SESYNC - Coffee and Tea Provided**

9:00AM ***Utilizing imaging spectroscopy for characterizing environmental properties, and the potential for synthesis***

Dr. Dana Chadwick, Postdoctoral Researcher, Stanford University

9:30AM ***Interdisciplinary applications of LiDAR remote sensing: Where have we been and where can we go?***

Dr. Jeff Atkins, Ecosystem Ecologist and Postdoctoral Fellow, Virginia Commonwealth University

10:00AM **Plenary discussion**

10:30AM **Morning break- Coffee and Tea Provided**

11:00AM ***Applications of remotely sensed data in economic research***

Dr. Yusuke Kuwayama, Fellow, Resources for the Future

11:30AM ***Forest Resilience: Upscaling from the Tree- to the Landsat-level using the NEON observatory***

Dr. Megan Cattau, Assistant Professor, Boise State University

12:00PM **Plenary discussion**

12:30PM **Group Lunch - Provided**

1:30PM **Optional short walk to explore the S-E system of Annapolis (weather permitting)**

Dr. Jason Julian, Professor and Associate Chair, Texas State University

2:30PM **Breakout Session**

Charge: What are priority S-E synthesis research topics enabled by NEON AOP?

3:45PM **Afternoon break - Snacks Provided by SESYNC**

4:00PM **Breakout Session Presentations**

5:00PM **Adjourn for Dinner on your own**



### **Day 3 (Wednesday Feb 12)**

**8:30AM**      **Arrive at SESYNC** - Coffee and Tea Provided

**9:00AM**      **Revisit Workshop Outcomes**  
*Review workshop outcomes, draft consensus statements*  
*Prioritize research areas*

**10:00AM**      ***NEON-enabled science funding at NSF***  
Dr. Daniel Gruner, Program Director, Population and Community Ecology/Macrosystems Biology and NEON-Enabled Science, National Science Foundation

**10:30AM**      **Morning break** - Coffee and Tea Provided

**11:00AM**      **Enhancing NEON-enabled synthesis research at SESYNC**  
*Overview of SESYNC funding opportunities*  
*Questions posed to the workshop participants:*  
*a. How do we expand the community?*  
*b. What offerings would you like to see at SESYNC?*  
*c. One last chance to comment on the prioritization of research areas.*

**12:30PM**      **Group Lunch** - Provided

**1:30PM**      **Workshop Adjourns**  
*Participants are free to stay at SESYNC, discuss and collaborate until it is time to leave for the airport!*