

The NEON Great Lakes User Group (GLUG) Workshop Agenda

28-30 September 2023

Day 0: Wednesday 27 September (6pm – 8pm)

6:00pm – 8:00pm: Early registration & pre-workshop dinner

- Location: Kemp Natural Resources Station; Mead Residence Hall

Day 1: Thursday 28 September (9am – 5pm)

8:30 – 9:30: Breakfast & registration

- Location: Connor Forestry Center at Kemp

9:30 – 9:50: Welcome address and introductions

- Including introduction from NEON

9:50 – 10:00: Aims and structure of GLUG and the workshop

- Who we are and what we want to achieve
- Format, objectives, and expected outcomes of the workshop

10:00 – 10:20: Coffee break

10:20 – 11:20: Presentations of data sets and research

- Participants will give short presentations of their data, research ideas and vision for using great lakes NEON data. During this session participants will be asked to consider specific challenges related to the Great Lakes region and to think of potential topics for Breakout Sessions.

Time (am)	Presenter	Title
Vegetation		
10:20-10:25	Subash Sapkota	Impact of Environmental Gradients on Seedling Distribution in a Northwoods Forest Landscape
10:25-10:30	Alison Donnelly	Detecting plant invasion across NEON eco-climatic domains
10:30-10:35	Jalene M. LaMontagne	Dynamics of tree reproduction, seed consumers, and ticks at NEON sites
10:35-10:40	Ting Zheng	Variations in canopy physical and functional traits drive the variations of the gross primary productivity of the Chequamegon-Nicolet National forest in northern Wisconsin
10:40-10:45	Ankur Desai	Drivers of decadal carbon fluxes across temperate ecosystems
10:45-10:50	Zhiwie Ye	The potential for mapping Leaf area index using imaging spectroscopy over Northern Wisconsin
Soil		
10:50-10:55	Katherine Heckman	A brief tour of the soils of Domain 05
10:55-11:00	Kathryn Docherty	Homogenization of airborne microbial communities in cities across four NEON ecoregions
11:00-11:05	Luke Nave	Landscape variation in soil carbon stocks at Great Lakes NEON sites
Aquatic		
11:05-11:15	Amy Marcarelli	Quantifying N ₂ flux in streams: empirical and modeling studies in NEON streams

11:20 – 12:00 Breakout Session pitches

- Participants will give 2-3 minute impromptu ideas for Breakout Sessions.

12:00 – 1:00: Breakout working group time

- Participants will choose a Breakout Session to attend. Discuss research ideas focused on the Great Lakes region, potential papers, and proposals. A lead should be chosen by consensus and the topic settled upon. Each group will report their lead and topic in the next session.

1:00 – 2:00: Lunch

2:00 – 2:30: Report back

- Each group reports their lead and topic.

2:30 – 6:00: Field visit: Aquatic site LIRO

- Lake sampling, water chemistry, fish, laboratory visit, etc.

6:30 – 8:00: Dinner

- Location: Kemp Natural Resources Station

Day 2: Friday 29 September (9am – 5pm)

8:30 – 9:00: Breakfast & registration

- Location: Connor Forestry Center at Kemp

9:00 – 9:30: Guest speakers

- 9:00 – 9:15: Michael SanClements, Research Initiatives Lead, National Ecological Observatory Network, Battelle
- 9:15 - 9:30: Stacy Cotey, PhD, Assistant Teaching Professor, Michigan Technological University

9:30 – 10:15: Breakout working group time

- Participants will refine their topic, discuss how to proceed, determine data sets they need, collaborators, and other resources.
- Leads will request potential collaborators/expertise/other.

10:15 – 10:30: Coffee break

10:30 – 12:30: Breakout working group time

- Participants will draft an outline of a paper, proposal (full or section), and assign roles and responsibilities. Participants will continue to work on their topic and develop a strategy for working together after the workshop.

12:30 – 1:30: Lunch

1:30 – 2:00: Breakout working groups report ideas

- Each breakout group will report their ideas and vision to the whole group.

2:00 – 6:30: Field visit: Terrestrial sites STEI and TREE

- flux tower(s), distributed plots, soil, biodiversity, phenology, mammals, etc.

7:00 – 8:30: Dinner

- Location: Minocqua Pizza Company

Day 3: Saturday 30 September (9am – 1pm)

8:30 – 9:00: Breakfast

9:00 – 9:30: Breakout working group time

- Report back and insights

9:30 – 10:00: Reflections from organizers

- Next steps
- Sustaining the GLUG network
- Wrap up

10:00 – 10:15: Coffee break

10:15 – 12:00: Organizers meet to synthesize the workshop

- Workshop paper outline
- Proposal ideas and outline
- Next steps