



Grad Students

1. Introductions
2. Creating community

Jones Lab

Kristin Olson
Ph.D. Student



Carbon
Headwater streams
Terrestrial linkages

Frances Iannucci
M.S. Student



Stream metabolism
Permafrost
Carbon

Turetsky/Kane Lab

Matthias Fuchs
Postdoc



Permafrost
Geospatial
Methane

Will Cox
Ph.D. student



Plants
Permafrost
Carbon

Hailey Webb
Ph.D. student



Permafrost
Carbon
Geospatial

Nor Serocki
Ph.D. student



Peatlands
Flux
Remote Sensing

Mack & Walker Lab

Dylan Baldassari
Ph.D. Student



Fungi
Biogeochemistry
Range Expansion

Nick Link
Ph.D. student



Fire
Climate Adaptation
Succession

Jonas Noomah
M.S. student



Bark Beetles
Carbon
Disturbances

Anastasia Pulak
M.S. student



Carbon
Climate Change
Ecosystem Ecology

Schuur Lab

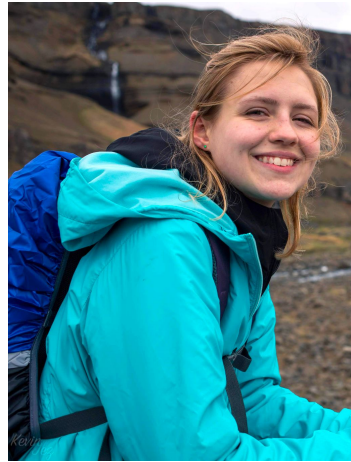
Craig See
Postdoc



Allison Kelley
Ph.D. Student



Stephanie Kadej
Ph.D. student



Emma Lathrop
Ph.D. student



Megan McGroarty
Ph.D. student



Permafrost
Biogeochemistry
Belowground ecology

Radiocarbon
Biogeochemistry
Permafrost hydrology

Plant ecology
Carbon cycling
Arctic ecology

Permafrost
Soil biogeochemistry
Carbon

Permafrost
Decomposition
Nutrient cycling

NorthCore Lab Group

Victoria Robertson
MES



Permafrost
Vegetation
Nitrogen

Goetz & Berner Lab

Katie Orndahl
Postdoc



Remote Sensing
Vegetation
Consumers

Shelby Sundquist
PhD Student



Ecological Modeling
Forests
Drought

Lucash Lab

Gabriel Abreu-Vigil
Masters Student



Modeling
Climate change
Permafrost

Creating Community

Broader Goals

- Building student community
- Professional networking
- Collaborative projects
 - i.e., larger synthesis paper
 - Adewopo et al. (2014) was carried out as collaboration led by graduate students

Top-Ranked Priority Research Questions for Soil Science in the 21st Century

Julius B. Adewopo*
Christine VanZomerem
Dep. of Soil and Water Science
College of Agriculture and Life Sciences
Univ. of Florida
Gainesville, FL 32611

Rupesh K. Bhomia
Dep. of Fisheries and Wildlife
College of Agriculture and Life Sciences
Oregon State Univ.
Corvallis, OR 97331

Maya Almaraz
Dep. of Ecology and Evolutionary Biology
Brown Univ.
Providence, RI 02912

Allan R. Bacon
Nicholas School of the Environ. and
the Univ. Program in Ecology
Duke Univ.
Durham, NC 27708

Emily Eggleston
Dep. of Geography
Univ. of Wisconsin
Madison, WI 53706

Jonathan D. Judy
Ricky W. Lewis
Dep. of Plant and Soil Science
Univ. of Kentucky
Lexington, KY 40546

Soils provide critical support essential for life on earth, regulate processes across diverse terrestrial and aquatic ecosystems, and interact with the atmosphere. However, soil science is constrained by a variety of challenges including decreasing funding prospects and a declining number of new students and young professionals. Hence, there is a crucial need to revitalize the impact, relevance, and recognition of soil science as well as promote collaboration beyond traditionally defined soil science research disciplines. Such revitalization and collaboration may be fostered by a shift from discipline-focused soil science research to cross-disciplinary research approaches and issue-driven research. In this paper, we present the outcomes of an initiative to identify priority research questions as a tool for guiding future soil science research. The collaborative approach involved four stages including (i) survey-based solicitation of questions; (ii) criteria-based screening of submitted candidate questions, (iii) criteria-based ranking of screened questions, and (iv) final revision of top ranked questions. The 25 top ranked research questions emerged from 140 submitted candidate questions within five predetermined thematic areas that represent current and emerging research areas. We expect that the identified questions will inspire both existing and prospective researchers, enhance multi-disciplinary collaboration both within and outside soil science, draw the attention of grant-awarding bodies, and guide soil science research to address pressing societal, agricultural, and environmental challenges. Furthermore, we hope that the approach and findings presented in this paper will advance soil sciences by fostering improved collaboration among soil science practitioners and researchers, as well as with other sciences, policy experts, and emerging professionals (including students) to meet societal needs.

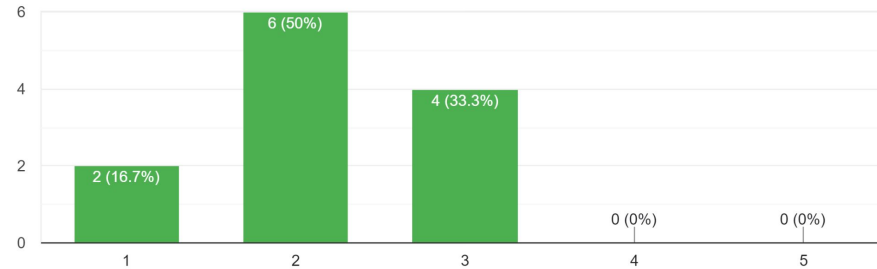
Abbreviations: CWG, core working group; EC, expert committee; GHG, greenhouse gases; GIS, geographical information system; NAS, National Academy of Science, SIS, soil information systems.

"The initiative, led by graduate students, was administratively supported by the Soil Science Society of America (SSSA)"

Graduate Student Poll Results

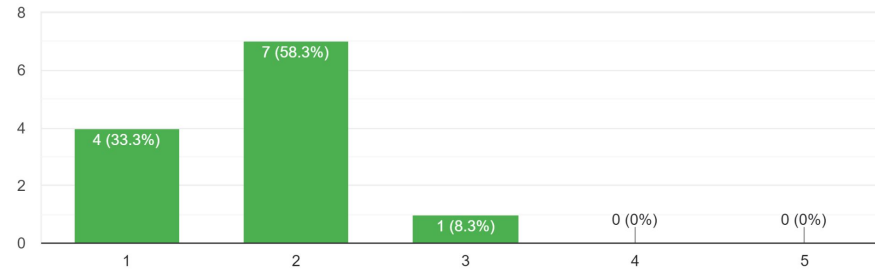
On a scale of 1 to 5, how would you rate your sense of belonging to the LTER community?

12 responses



On a scale of 1 to 5, how connected do you feel professionally to other graduate students in the LTER?

12 responses



Graduate Student Poll Results

“What would you like to see more of in BNZ LTER?”

- Opportunities for community building
- Inter-group collaboration and de-isolating labs
- Grad student meetups
- Informal opportunities to hang out (outside of Zoom)
- Clearer avenues for graduate student engagement

Ways Forward- how to reach our broader goal?

Communication

- LTER listserv
- Grad Student Slack
 - https://join.slack.com/t/slack-qxf3850/shared_invite/zt-1s1k8mo1s-SQqHXg~A1P8v9fCieW2MU

Connections

- Informal weekly meetups
(probably involving food)
- Field work collab
- Local field trips

Additional ideas? Let's Discuss!

- What are other ways to foster personal and professional community?
- Graduate student events
- Field/lab work help
- Field safety training
- Collaborative project ideas?