



SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

NEW TOOL | To Enhance Teaching and Learning

YOUR ADVENTURE STARTS HERE

BE PREPARED WITH THE SKILLS AND HABITS NEEDED TO SUMMIT YOUR SCIENTIFIC PROBLEM



SYSTEMS THINKING

Ability to analyze a problem rooted in the systems' dynamics and forces



INTEGRATIVE RESEARCH

Interdisciplinary methods, data sources, and frameworks



BOUNDARY CROSSING

Collaboration across disciplines, paradigms, and sectors



SOCIO-CULTURAL AWARENESS

Understanding of human societies, cultures, and beliefs



Teaching Socio-Environmental (S-E) Problem Solving

This **infographic with linked resources** is a guide for educators looking to equip their students with the tools needed to tackle complex S-E issues. This resource introduces core concepts, processes, and skills needed for scholars to effectively address S-E challenges, while developing innovative sustainable solutions—inspired by the article "A framework for teaching socio-environmental problem-solving" by Wei et al. Come along for the adventure to discover key insights and resources to enrich your next learning experience. [View and/or download it here.](#)

BEST PRACTICES | PIs' Tips for Staying Connected & On Task

Keeping Collaborations Moving Forward —Even in an Online World

Over the past several months, SESYNC's research teams have met the challenge of shifting their in-person collaborations entirely online with flexibility, resilience, and commitment. Here, PIs from several of our Pursuits and Graduate Pursuits share the practices they're employing to keep their projects moving forward and to maintain strong connections among their team members. [Read what they have to say.](#) [xLINK](#)



SESYNC SEMINARS | Final Seminar of Our Fall Series



Dr. Theresa Ong, Dartmouth College

“Chinatowns as Alternative Food Networks”

Learn more and register [HERE](#).

December 1, 2020

IN CASE YOU MISSED IT | Seminar Recordings Available

Risk Perception of Political Leadership toward Climate Change Risk: Applied with the Theory of Planned Behavior

Presented by [Dr. Yoon Ah Shin](#), SESYNC



Dissecting the Decision-Making Processes Behind Green Infrastructure Siting

Presented by [Dr. Fushcia-Ann Hoover](#), SESYNC



INSIGHTS | Increasing Diversity & Inclusion in S-E Research

Prioritizing Diversity, Equity, and Inclusion in Graduate Training

SESYNC'S Assistant Director for Interdisciplinary Science **Nicole Motzer** recently gave a talk, called "Adapting and designing interdisciplinary training programs to prioritize (and excel because of) diversity, equity and inclusion" for [Integration and Implementation Insights](#). Watch below to learn how SESYNC is working to place a greater focus on diversity, equity, and inclusion in our Graduate Program.

SESYNC

Graduate Student Research Program

- **Graduate Student Workshops**
 - 8 workshops
 - 1 virtual workshop series
 - 275 students
- **Graduate Pursuit Teams**
 - 33 teams
 - 200 students
 - 20+ countries
 - 75+ universities
 - 20 publications

STAYING CONNECTED | Follow SESYNC on Social Media

Have good news to share with us about your project or a publication? Be sure to tag us on Twitter and Facebook—[@sesync](https://twitter.com/sesync)—so we can spread the word! And follow us on Twitter, Facebook, LinkedIn, and YouTube to stay up to date with SESYNC.



You Retweeted

 **Ralf Seppelt** @RSeppelt · Nov 20

Celebrating the successful finish of a Ph.D. synthesis workshop, a great team, unforgettable experiences and finally a cool paper submitted. Thanks to everybody [@sesync](https://twitter.com/sesync) [@ufz_de](https://twitter.com/ufz_de) [@leedsUniversity](https://twitter.com/leedsUniversity)



NEW PUBLICATIONS | SESYNC in the Journals

"Consequences of seafood mislabeling for marine populations and fisheries management." Published in *Proceedings of the National Academy of Sciences of the United States of America* by former SESYNC postdoc Jessica Gephart and colleagues Kailin Kroetz, Gloria M. Luque, Sunny L. Jardine, Patrick Lee, Katrina Chicojay Moore, Cassandra

Cole, Andrew Steinkruger, and C. Josh Donlan.

"Shifting seas, shifting boundaries: Dynamic marine protected area designs for a changing climate." Published in *PLOS One* by Tim Cashion, Tu Nguyen, Talya ten Brink, Anne Mook, Juliano Palacios-Abrantes, and Sarah M. Roberts, as a result of the Graduate Pursuit [Ch-Ch-Ch-Changes: Using Marine Protected Areas to Investigate Potential Socio-Ecological Impacts of Climate Change in Marine Spatial Planning](#).

"Wikipedia can help resolve information inequality in the aquatic sciences." Published in *Limnology and Oceanography Letters* by SESYNC staff member Kelly Hondula and colleagues Dustin W. Kincaid, Whitney S. Beck, Jessica E. Brandt, Margaret Mars Brisbin, Kaitlin J. Farrell, Erin I. Larson, and Ariel J. Shogren.

"Hydrological Conditions Influence Soil and Methane-Cycling Microbial Populations in Seasonally Saturated Wetlands." Published in *Frontiers in Environmental Science* by SESYNC staff Christine E. Maietta and Kelly L. Hondula, former SESYNC postdoc C. Nathan Jones, and SESYNC director Margaret A. Palmer.

"Genotype and sex-based host variation in behaviour and susceptibility drives population disease dynamics." Published in *Proceedings of the Royal Society B: Biological Sciences* by former SESYNC postdoc Lauren A. White and colleagues Jonathon A. Siva-Jothy, Meggan E. Craft, and Pedro F. Vale.

"The Council of Carthage of 525 and the Making of Post-Imperial Episcopal Authority." Published in *Journal of Late Antiquity* by SESYNC postdoc Merle Eisenberg.

www.sesync.org

