SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

Boundary Spanning: Advances in Socio-Environmental Systems Research

Application Deadline: March 2, 2018

The National Socio-Environmental Synthesis Center (SESYNC) in partnership with Resources for the Future (RFF), the National Science Foundation (NSF),

and the University of Maryland (UMD) is convening an international symposium, **June 11 - 13, 2018**, devoted to exploring the current state of socio-environmental systems research, recent advances, and the unique challenges and opportunities of this field to understand and provide solutions to increasingly complex issues.

To learn more and apply, please **visit our Symposium website**.

Research in Action

Wildfire & Salience is the inaugural video in SESYNC's new series of documentaries, Research In Action, which explores stories of socio-environmental research teams studying wildfire, reforestation, and water governance in the U.S. and beyond.

To keep pace with wildfire, we need to change the conversation on fire management and risk. Learn how this SESYNC team critically examines the complex linkage among fire management actions such as fuels treatments, fire risk, and post-fire effects, including risks to water resources and other ecosystem services.

Additional information the the pursuit can be found **on our website**.

SESYNC Welcomes New Postdoc

SESYNC is excited to welcome our newest postdoctoral fellow Colin Carlson. Colin recently completed his Ph.D. in Environmental Science, Policy, & Management at the University of California, Berkeley. His joint project with Georgetown University is "Network models for emerging infectious disease."

Learn more about Colin in our **centre news**.

SESYNC Unveils New Research Support Website

Have questions about using research computing at SESYNC? Visit the new research support website, **cyberhelp.sesync.org**!

- **Quick Start Guides** will get you up and running on popular tools
- Find answers to **Frequently Asked Questions** about SESYNC's cyberinfrastructure
- Checkout **The CyBlog** where new staff insights will be posted monthly
- Pick up some new tools with **Lessons** taught during SESYNC training events

Accepting Applications

Bayesian Modeling for Socio-Environmental Data Short Course

Application Deadline: March 15, 2018

The National Socio-Environmental Synthesis Center (SESYNC) will host a nine-day short course **May 29 - June 8, 2018** covering basic principles of using Bayesian models to gain insight from data. The goals of the course are to:

1. Provide a principles-based understanding of Bayesian methods needed to train students, evaluate papers and proposals, and solve research problems.
2. Communicate the statistical concepts and vocabulary needed to foster collaboration between ecologists, social scientists, and statisticians.
3. Provide the conceptual foundations and quantitative confidence needed for self-teaching modern analytical methods.

There is no fee to attend, but participants are responsible for most of their own travel and accommodations.

To learn more and apply, please **visit our website** .

Introduction to Social Network Analysis Short Course

Application Deadline: March 30, 2018

This 5-day short course, which will take place from **July 16 - 20, 2018**, will serve as an introduction to the theory and practice of social network analysis (SNA). Where standard statistical analysis assumes that observations on different entities (people, organizations, animals, etc.) are independent, SNA looks to the relationships among these observations to try to explain why this configuration of relationships might exist, or how this network structure explains other attributes of the network. While network science has a long tradition, this field has recently exploded with new data resources in social media and new computational methods, particularly in the application to socio-environmental systems.

To learn more and apply, please **visit our website**.

Introduction to Spatial Agent-Based Modeling Short Course

Application Deadline: April 2, 2018

The National Socio-Environmental Synthesis Center invites applications for a 5-day short course, **June 11 - 15, 2018**, that will serve as an introduction to the theory and practice of spatially-explicit agent-based modeling (ABM).

This course will guide you through the basic phases of the ABM research process: formulating a research question, specifying a model, creating a simulation and interpreting the output. The course combines lectures with hands-on model-building sessions where you will build a model using NetLogo to acquire basic and intermediate programming skills. More advanced students are welcome to build a model in a programming language of their choice.

To learn more and apply, please **visit our website**.

Request for Proposals: Graduate Pursuits

Application Deadline: May 15, 2018

The National Socio-Environmental Synthesis Center (SESYNC) in Annapolis, MD invites proposals from highly qualified graduate students interested in conducting collaborative, socio-environmental synthesis research (i.e. "Graduate Pursuits").

Graduate Pursuits are supported for a period of 18 months. Such support centers around 3-4 team meetings at SESYNC, but also includes a suite of services ranging from team facilitation to computational and cyber infrastructure resources to science communication.

To learn more and apply, please **visit our website**.

SESYNC Publications

Geolocated social media as a rapid indicator of park visitation and equitable park access. Published in *Computers, Environment, and Urban Systems* by Zoé Hamstead and colleagues as part of the Pursuit, *Valuing Lake Water Quality*.

Biodiverse cities: the nursery industry, homeowners, and neighborhood differences drive urban tree composition. Published in *Ecological Monographs* by former SESYNC postdoc Meghan Avolio and colleagues.

Consequences of breeding system for body condition and survival throughout the annual cycle of tidal marsh sparrows. Published in *Journal of Avian Biology* by Alyssa Borowske, SESYNC postdoc Chris Field, and colleagues.

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