



SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

Postdoctoral Fellowships: Preliminary Applications due
December 1, 2017

SESYNC-Georgetown Postdoctoral Fellowships

SESYNC and Georgetown University invite applications for two postdoctoral fellowship opportunities beginning August 2018.

Coping with Disaster in a Warming World

The fellow will work with a Dr. Raphael Calel of Georgetown University to address critical gaps in our understanding of how societies cope with the sorts of natural disasters that are expected to become more frequent and more devastating in coming decades.



To learn more and apply, please [visit our website](#).

Ecological Connections: Climate and Health

The fellow will work with a Dr. Laura Anderko of Georgetown University to address critical research gaps on the relationship between the changing environment and children's respiratory health by building a model based on the synthesis of multiple data sets and a wide range of variables.

To learn more and apply, please [visit our website](#).

SESYNC-RTI Postdoctoral Fellowship: Modeling the Impacts of Food Waste on the Environment



SESYNC and the Research Triangle Institute (RTI) invite applications for a two-year postdoctoral fellowship opportunity, focused on Coping with Modeling the Impacts of Food Waste on the Environment that begins August 2018. The fellow will work with a Dr. Mary Muth of RTI on a project that contributes to our understanding of the environmental, ecological, and economic impacts of food

loss and waste across the U.S. food system, taking into consideration all sources of impacts from input sourcing in agricultural production through landfill disposal of waste.

To learn more and apply, please [visit our website](#).

Job Opportunities

Science Communications Coordinator

Application Deadline: December 1, 2017

The National Socio-Environmental Synthesis Center (SESYNC) seeks a full-time, experienced science communications professional to lead communications activities. The primary focus of the Science Communications Coordinator is to enhance awareness and understanding of SESYNC research

and opportunities within the community of socio-environmental scientists, scientific knowledge users, and policy makers. We are looking for a creative self-starter with three years of experience in science communications, including science writing for the educated public, strategic use of social media, and content management or web publishing. Desired qualifications include excellent written, oral, and interpersonal communication skills; the ability to manage multiple projects; the ability to interact effectively with researchers, administrators, and the press. Interest in environmental or social sciences would be a plus.

To learn more and apply, please [visit our website](#).

Research Accounts Coordinator

Application Deadline: November 27, 2017

Reporting to the Associate Director of Finance and Administration, the Research Accounts Coordinator will be responsible for managing the financial aspects of multiple research accounts. The Accounts Coordinator will assist with new grant proposal routing and budget preparation, sub-award monitoring, accurate reporting, and compliance with federal and state regulations as well as ensuring adherence to University of Maryland policies and procedures. The incumbent will share management responsibility for SESYNC's financial operations.

To learn more and apply, please [visit our website](#).

Upcoming Workshops

Graduate Student Workshop on Socio-Environmental Synthesis: Interdisciplinary Skill Building, Proposal Writing, & Collaborating

Application Deadline: November 20, 2018

SESYNC invites applications for the 5th annual Graduate Student Workshop on Socio-Environmental (S-E) Synthesis, to be held January 23-26, 2018, in Annapolis, Maryland. Workshop goals are to:

- Energize and engage students in innovative, team-based, use-inspired S-E synthesis research
- Increase student capacities through S-E synthesis training, skill-building, and networking
- Prepare students for upcoming S-E synthesis research and leadership opportunities at SESYNC



Attendees of this workshop will join 30 of their peers from around the world and across scholarly disciplines. Attendees will participate in highly interactive activities and facilitated discussions as individuals, but will also be given the

opportunity while in Annapolis to form the beginnings of diverse, interdisciplinary research teams.

To learn more and apply, please [visit our website](#).

Geospatial Data Analysis Short Course

Application Deadline: January 5, 2018

SESYNC invites applications to a Geospatial Data Analysis Short Course to be held April 2-4 at SESYNC in Annapolis, Maryland. The course aims to accelerate the adoption of open source computing resources for geospatial and temporal analyses of socio-environmental issues. The event will combine lectures with hands-on computer labs that teach new analytical methods and workflow skills through several example applications: land cover change following wildfire, environmental vulnerability to lead exposure, suitability analysis for conservation easements, and flood mapping in urban environments.

Through this short course, participants should expect to:

- use open source libraries for geocomputing and reproducible research
- learn new methods for analysis and visualization of geospatial data
- meet several sources for geospatial data
- have fun

To learn more and apply, please [visit our website](#).

SESYNC Publications

Poverty eradication in a carbon constrained world. Published in *Nature Communications* by Klaus Hubacek and colleagues as part of the Pursuit, *Linking Local Consumption to Global Environmental Impacts*.

Archetypical barriers to adapting water governance in river basins to climate change. Published in *Journal of Institutional Economics* by Christoph Oberlack and Klaus Eidenack as part of the Pursuit, *Breaking the Code*.

Recognizing the 'sparsely settled forest': Multi-decade socioecological change dynamics and community exemplars. Published in *Landscape and Urban Planning* by Derek Van Berkel and colleagues as part of the Pursuit, *Rural Forest Communities at a Tipping Point? Trends & Actionable Research Opportunities*.

Coastal livelihood transitions under globalization with implications for tranecosystem interactions. Published in *PLoS ONE* by Daniel Kramer and colleagues as part of the Pursuit, *From Land to Water?*

Role of Sectoral Transformation in the Evolution of Water Management Norms in Agricultural Catchments: A Sociohydrologic Modeling Analysis.

Published in *Water Resources Research* by M. Roobavannan and colleagues as part of the Pursuit, *Towards Socio-hydrologic Synthesis: Modeling the Co-evolutionary Dynamics of Coupled Human, Water, & Ecological Systems*.

Racial coastal formation: The environmental injustice of colorblind adaptation planning for sea-level rise. Led by SESYNC Postdoctoral Fellow Dean Hardy in *Geoform*.

The Interactive Visualization Gap in Initial Exploratory Data Analysis. Published in *IEEE Transactions on Visualization and Computer Graphics* by Andrea Batch and Niklas Elmqvist.

The Legacy Effect: Understanding How Segregation and Environmental Injustice Unfold over Time in Baltimore. Published in *Annals of the American Association of Geographers* by SESYNC Scientist Morgan Grove, SESYNC Postdoctoral Fellows Dexter Locke and Billy Hall, and colleagues.

Sustainable food systems for optimal planetary health. Published in *Transactions of The Royal Society of Tropical Medicine and Hygiene* by Chelsey Canavan and colleagues as part of the Pursuit, *Fisheries & Food Security*.

Place and Large Landscape Conservation along the Susquehanna River. Published in *Society and Natural Resources* by Brandn Green and SESYNC Research Scientist Kristal Jones.

Farming the Floodplain: Ecological and Agricultural Tradeoffs and Opportunities in River and Stream Governance in New England's Changing Climate. Published in *Case Studies in the Environment* by Benjamin P. Warner, Rachel E. Schattman and Christine E. Hatch.

Photos, tweets, and trails: Are social media proxies for urban trail use? Published in *Journal of Transportation and Land Cover* by Xinyi Wu and colleagues as part of the Pursuit, *Valuing Lake Water Quality*.

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