



SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

Job Opportunities

Science Communications Coordinator:

SESYNC is seeking a full-time, experienced science communications professional to lead communications activities.

[Details here](#). **Deadline January 1.**

Assistant Research Scientist - Data Science:

SESYNC seeks applications for an Assistant Research Scientist to lead our Data Science Team.

[Details here](#). **Deadline January 14.**

Short Course

Geospatial Data Analysis:

SESYNC invites applications for participation in a Geospatial Data Analysis Short Course, March 27-29, 2019. The course aims to accelerate the adoption of open source computing resources for geospatial and temporal analyses of socio-environmental (SE) issues.

[Details here.](#) **Deadline January 27.**

An area of conflict: the effects of agricultural subsidization on conservation goals worldwide:

The Helmholtz Centre for Environmental Research (UFZ) (Germany), the University of Leeds (UoL) (UK), and SESYNC are partnering to invite applications from highly qualified PhD students from the partner organizations interested in an international collaborative synthesis research experience.

[Details here.](#) **Deadline January 31.**

SESYNC in the News



Beyond the muddy boots: making summer internships count through synthesis workshops

This summer, four SESYNC graduate students led a series of socio-environmental synthesis workshops to enhance the undergraduate intern experience.

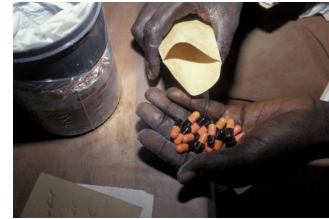
[Read about their experiences.](#)



The tech fix that won't secure food supplies

Climate change now adds urgency to the need for farmers to constantly adapt, SESYNC Senior Scholar Lisa Palmer explains in video and article from SciDevNet.

[Read the complete article.](#)



Antibiotics resistance breaks global boundaries

Global use of antibiotics and pesticides is outside the planetary safe zone, risking widespread resistance to both, according to a study published last month from SESYNC Pursuit [Living with Resistance.](#)

[Read more from SciDevNet.](#)



Food waste costs our wallets & world

On this episode of Serving Up Science, Amanda Cuellar, from the SESYNC Pursuit [Food Waste and the Environment](#), explains the thousands of dollars Americans throw away every year & the impact it has on the planet.

[Listen to the segment from WKAR.](#)



Virginia Tech publishes study on Orleans salt contamination

SESYNC Postdoc Nate Jones contributes to study showing that proximity to a road salt storage facility leads to increased chloride contamination of water.

[Read the news article in The Watertown Daily Times.](#)



Depletion of nitrogen in forest soil could reduce trees' ability to offset climate change

Forests worldwide are using up the nitrogen in their soil, a new study from SESYNC Senior Scholar Andrew Elmore found, which bodes ill for efforts to prevent global climate change.

[Read the complete article in the Bay Journal.](#)

Different environmental drivers of alien tree invasion affect different life-stages and operate at different spatial scales. Published in *Forest Ecology and Management* by Joana Vincente and colleagues as part of the Pursuit, *Socioecology of Acacia*.

Adaptation strategies of coastal fishing communities as species shift poleward. Published in *ICES Journal of Marine Science* by Talia Young and colleagues as part of the Graduate Pursuit, *Shifting Fish & Fishers*.

A tiered, system-of-systems modeling framework for resolving complex socio-environmental policy issues. Published in the *Environmental Modelling and Software* by John Little and colleagues as part of the Workshop, *Use of socio-environmental systems modeling in actionable science: State-of-the-art, open challenges and opportunities*.

Reciprocity, redistribution and relational values: organizing and motivating sustainable agriculture. Published in *Current Opinion in Environmental Sustainability* by SESYNC Scientist Kristal Jones and Daniel Tobin.

Smallholder responses to climate anomalies in rural Uganda. Published in *World Development* by SESYNC Postdoc Maia Call and colleagues.

Explaining differential vulnerability to climate change: A social science review. Published in *WIREs Climate Change* by Kimberley Thomas and colleagues including SESYNC postdoc Dean Hardy.

A watershed-scale model for depression wetland-rich landscapes. Published in the *Journal of Hydrology* by Grey Evenson and colleagues including SESYNC postdoc Nate Jones.

To co-produce or not to co-produce. Published in *Nature Sustainability* by Maria Lemos and colleagues as part of the Pursuit, *Advancing the Science of Knowledge Use: Mechanisms, Applications and Gaps*.

Criteria for effective zero-deforestation commitments. Published in *Global Environmental Change* by Rachael Garrett and colleagues as part of the Pursuit, *Supply-Chain Commitments*.

Basin-scale land use impacts on world deltas: Human vs natural forcings. Published in *Global and Planetary Change* by Carles Ibanez and colleagues, including SESYNC postdoc Xavier Benito.

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