



SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center



HOLIDAY MESSAGE | From the Director



As we close another year at SESYNC I wish everyone joy and health during this holiday season. It is my hope that this year brings more peace to all in the world.

– Margaret Palmer, SESYNC Director

RESEARCH HIGHLIGHT | Kindred Climate Cities

Using Kindred Climate Cities To Transform Climate Change Conversations & Plans

When it comes to climate change, the need for interdisciplinary collaboration and effective communication goes well beyond just research partnerships. Some climate scientists—including one from the National Socio-Environmental Synthesis Center (SESYNC)—are presenting climate change impacts in more tangible terms that can bridge the gap between scientists and the public, as well as help utilities plan for climate change adaptation.





One way to achieve this type of interdisciplinary collaboration is to start talking about climate change impacts in a more perceptible way. In a recent *One Earth* paper, former SESYNC postdoctoral fellow Dr. Renee Obringer and colleagues described their approach to tackling the division between scientists, the public, and utilities in planning for climate adaptation. [Read more.](#)

RESOURCES | Climate Change + Socio-Environmental Systems

Explore climate change and its ties to socio-environmental systems using some of the SESYNC resources below.

Lesson: Climate Change and Choices: Change Behavior, Mitigate, or Adapt?

This lesson briefly reviews introductory concepts around climate change, including how emissions cause warming, which gases are involved and how they are produced, and what international policy is doing with respect to the Paris Agreement. [Read more.](#)

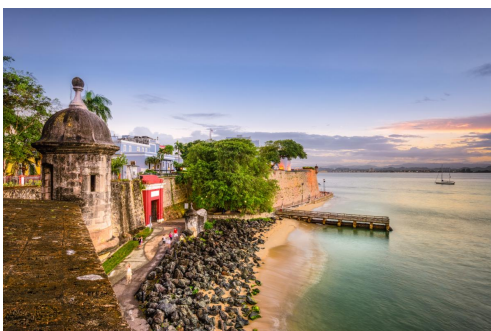


Lesson: Green Infrastructure Lesson: Urban Metabolism and Smart Cities

This lesson uses the concepts of urban metabolism and smart cities to have learners explore initiatives that bring tomorrow's cities closer to human equality and ecological balance with their surroundings. [Read more.](#)

Critical Discourse Analysis Lesson: Visual Discourse Analysis and Climate Change

This lesson has instructors use visual discourse analysis to help learners become critical viewers who recognize editorial choices, bias, connotation, and subtext in climate change imagery. The lesson aims to help learners grow more aware of the complex ways in which images shape environmental realities, and thereby influence public opinion and policy. [Read more.](#)



Resilience to Climate Change: A Socio-Ecological Case Study from Puerto Rico

This socio-environmental synthesis case study integrates historical, governance, biophysical, and socio-economic analyses of Puerto Rico to consider the role of community resilience as a strategy for climate adaptation. [Read more.](#)

Survive the Century Lesson:

Climate Change Decisions for Your Grandchild

This lesson challenges students to design their grandchild's hometown in the year 2100. By playing the game *Survive the Century* in parallel with the En-ROADS Simulator, students will test out various scenarios of environmental adaptation, technology, fossil fuel taxation, population, and green infrastructure to envision their grandchild's future hometown. [Read more.](#)



Audio Interview: Climate Modeling

In this audio interview, SESYNC's Erin Duffy talks with experts in the rather new field of integrating human behavior into climate change models: Drs. Brian Beckage and Katie Lacasse. [Learn more.](#)



Climate Modeling

Succinct Science—Audio Interviews from SESYNC • Jul 28, 2022



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Lesson | What Are Ethnographic Methods?

Our Latest Lesson Introduces Ethnographic Methods and Their Benefits for Socio-Environmental Research

What Are Ethnographic Methods?

This lesson asks learners to choose among several culturally embedded scenarios and to design an ethnographic research strategy for their chosen culture and region. Learners will have to consider the various methods that they might employ; how to approach ethnography with cultural relativism; and how to integrate Western, quantitative analytical methods with contextual, qualitative ethnographic methods that are culturally sensitive. [Read more.](#)



NEW PUBLICATIONS | SESYNC in the Journals

"Creating Fire-Adapted Communities Through Recovery: Case Studies from the United States and Australia." Published in *Journal of Extreme Events* by Miranda H. Mockrin, Ronald L. Schumann, III, Joshua Whittaker, Cassandra Johnson Gaither, Robert A. Brooks, Alexandra D. Syphard, Owen Price, and Christopher T. Emrich. This paper resulted from the Pursuit, [Post-Wildfire Adaptation](#).

"Assessing socio-environmental suitability and social license of proposed offshore aquaculture development: A Florida case study." Published in *World Aquaculture Society* by Amanda G. Guthrie, Nicole Barbour, Sara E. Cannon, Sara E. Marriott, Phoebe Racine, Ruth Young, Ashley Bae, Sarah E. Lester, and Adriane Michaelis. This paper resulted from the Graduate Pursuit, [Revitalizing Mariculture](#).



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