SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

UPCOMING WEBINAR | Selecting a Modeling Approach

Serena Hamilton, Australian National University, Presenter

Tony Jakeman, Australian National University Contributor

Sondoss Elsawah, University of New South Wales Canberra, Contributor

Please note the corrected time in red below.

LIVE WEBCAST
Selecting a Modeling Approach for Socio-Environmental Systems

TUES. 29 NOV. 2022, 15:00 – 16:30 (EDT UTC -4)
TUES. 29 NOV. 2022, 21:00 – 22:30 (CEST UTC +2)
WED. 30 NOV. 2022, 07:00 – 08:30 (AEST UTC +10)

***Registration is required*.**
Register HERE.

Addressing complex problems that cross disciplinary and sectoral boundaries requires combining knowledge from multiple domains, and integrated modeling provides an ideal platform for doing so. It facilitates synthesis of data, theories, and perspectives to explore interactions and seek solutions. But selecting the best modeling approach can be daunting. System dynamics, agent-based, Bayesian network, and coupled component models are among the many types of approaches. This **webinar** outlines a formal selection process to ensure the model adequately represents the system under study, that it enhances understanding, and is more likely to be adopted by end users.

This is the seventh installment in a series of webcasts focused on "Socio-Environmental Modeling"—sponsored by SESYNC, **The Integrated Assessment Society**, the **International Environmental Modelling and Software Society**, and the journal ***Socio-Environmental Systems Modelling***.

Register here.

Kirsten Oleson, University of Hawai‘i Mānoa, Panelist

David Wrathall, Oregon State University, Panelist

Hedwig van Delden, University of Adelaide Panelist

TUTORIAL VIDEO | Participatory Modeling for Collaboration

Participatory Modeling: Reshape How You Collaborate

In **this tutorial video** (~20 min.), Dr. Moira Zellner, of Northeastern University, explains how she and her colleagues have used a range of modeling approaches with stakeholders to engage them in participatory decision-making processes. Zellner starts by defining what participatory modeling is and then goes on to explain why it is useful for addressing complex socio-environmental problems. Discussing the key challenges related to the process, she provides a framework for increasing stakeholder engagement and overall effectiveness.

For more resources on socio-environmental modeling, **see our list**.

MODELING WEBINAR | Participatory Modeling Video Available

Latest Webinar Recording Now Available

In our most recent socio-environmental modeling webinar, "**Participatory Modeling to Address Socio-Environmental Problems**," Dr. Moira Zellner presents approaches to modeling with stakeholders to engage them in participatory decision making. Zellner's presentation (available as a separate, shorter tutorial video above) was followed by the perspectives of three well-known scholars, Nagesh Kolagani, Laura Schmitt Olabisi, and Juan Castilla-Rho, and a panel discussion. If you missed the event, you can watch it here: **https://youtu.be/mzp1BYzUhG0**

Be sure to subscribe to **SESYNC's YouTube channel** to receive notifications whenever we add new videos!

Subscribe

SESYNC RESOURCES | New Classroom Lessons Available

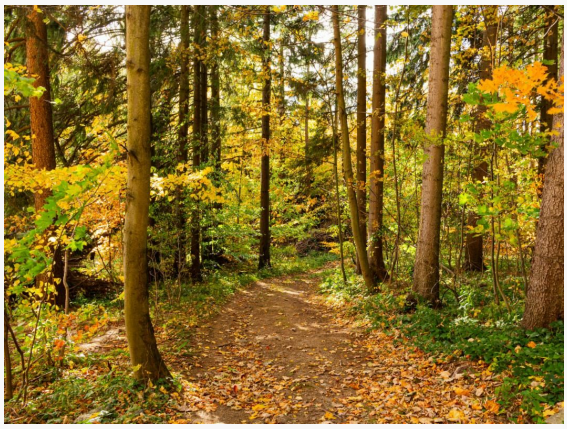
Check out some of our newest lessons designed for higher-education classrooms, illustrating socio-environmental topics and concepts with real-world examples:

Marine Spatial Planning for Sustainability: An Example of a Semi-Qualitative Synthesis Approach
This lesson illustrates the use of a semi-qualitative synthesis approach that combines a modified systematic review, expert opinion, and a critical interpretation of literature to study Marine Spatial Planning (MSP)—a process for allocating access to marine resources. **See more**.

Sustainable Agriculture: Resistance, Resilience, or Transformational Farming
This lesson focuses on analyzing techniques for improving soil health, ecosystem resilience, and ecosystem services, while providing diverse and nutritious food for the public. Learners will review an array of potential strategies and apply them to specific farming geographies. **See more**.
Text Link

Exploring Novel Ecosystems: Field Trip to an Urban Forest Patch
This lesson is the first in a two-part series on Urban Forest Patches (UFPs). In this lesson, learners will go on a local field trip to explore elements that challenge the resilience of small forest patches (note: an online alternative to a field trip is also provided). They will be asked to consider the unrealized potential and value of UFPs. **See more**.

Text Link



Have suggestions for resources you'd like to see? Contact us at communications@sesync.org.

NEW PUBLICATIONS | SESYNC in the Journals

"Improving the Interpretation of Data-Driven Water Consumption Models via the Use of Social Norms." Published in ***Journal of Water Resources Planning and Management*** by former SESYNC postdoctoral fellow Renee Obringer, Roshanak Nateghi, Zhao Ma, and Rohini Kumar.

"Middle Ages for Educators." Published in ***New Chaucer Studies: Pedagogy and Profession*** by former SESYNC postdoctoral fellow Merle Eisenberg, Sara McDougall, and Laura Morreale.

"Instrumentalizing pastoralism? Understanding hybrid tenure and governance in Ilkisongo Maasai land of southern Kenya." Published in ***Political Geography*** by former SESYNC postdoctoral fellow Ryan R. Unks.

"A framework for conceptualizing and modeling social-ecological systems for conservation research." Published in ***Biological Conservation*** by John M. Anderies, Graeme S.Cumming, Hayley S.Clements, Steven J. Lade, Ralf Seppelt, Sivee Chawla, and Birgit Müller. This paper resulted from the project Testing Ostrom's Frameworks.