SESYNC Feedbacks

News from the National Socio-Environmental Synthesis Center

RESOURCES | Socio-Environmental Modeling Basics

Before the Next Webinar—Review the Basics of Socio-Environmental Systems (SES) Modeling with Our Open-Access Resources!

Building the Basics of Socio-Environmental Modeling Video Series

- **Part 1**: Socio-Environmental Systems as Complex Adaptive Systems
- **Part 2**: Defining the Problem and Spanning Boundaries
- **Part 3**: Choosing a Modeling Approach

Socio-Environmental Systems Modeling Video Tutorials

- Confronting **Issues of Scale** in Socio-Environmental Modeling
- Creating Socio-Environmental **Scenarios**
- **Introduction to Futures Thinking** in Socio-Environmental Systems
- **Incorporating Behavior** in Socio-Environmental Systems Modeling
- Socio-Hydrology: Including **Human Behavior in Flood Risk Models**

More resources available HERE.

UPCOMING WEBINAR | Selecting a Modeling Approach

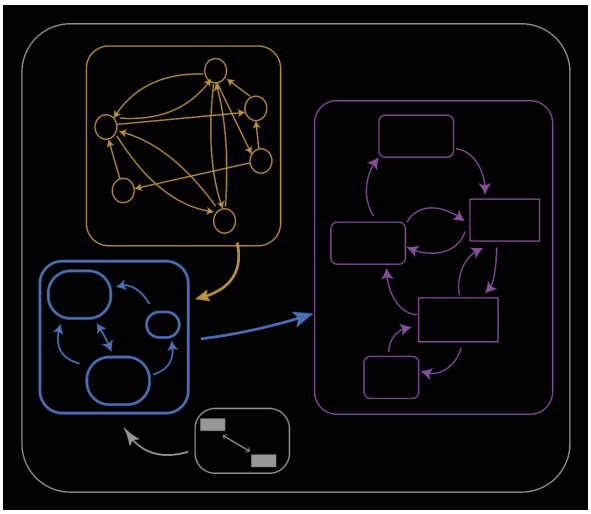
LIVE WEBCAST

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, 05:00 – 06:30 (AEST UTC +10)

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

Mark your calendars for November 29, 2022 for the next webinar in our socio-environmental systems (SES) modeling series. Drs. Serena Hamilton, Tony Jakeman, and Sondoss Elsawah will lead the discussion on how to best select a modeling approach for (SES).



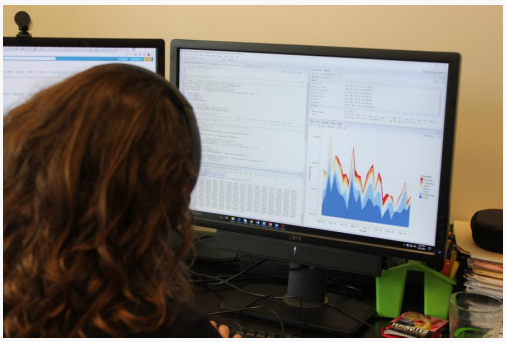
This is the seventh installment in a series of webcasts focused on "Socio-Environmental Modeling"—sponsored by SESYNC, **The Integrated Assessment Society**, the **International Environmental Modelling and Software Society**, and the journal ***Socio-Environmental Systems Modelling***.

More details to come soon. **Register here**.

SESYNC RESOURCES | Explainers on Data Synthesis Methods

Want to Deepen Your Understanding of Common Synthesis Methods for Quantitative & Qualitative Data?

SESYNC's latest **trio of explainer articles** introduce some of the most common methods used to synthesize quantitative and qualitative data.



Qualitative Synthesis Methods for Sustainability: Data Integration

This explainer describes the reasons for integrating different kinds of data in socio-environmental research; it also explains the concept of informatics and other key terminology related to data integration. **More.**

Quantitative Synthesis Methods: Literature Reviews (Systematic and Meta-Analyses), Expert Elicitation

This explainer describes critical literature reviews—syntheses of data based on analyses of published studies—in the forms of systematic reviews and meta-analyses. It also describes syntheses that rely on input from people considered to be highly knowledgeable about the topic, or expert opinions. **More**.

Qualitative Synthesis Methods: Critical Interpretive Reviews, Narrative Reviews, Expert Opinions

This explainer describes three types of qualitative review approaches that can be helpful in synthesizing data to elaborate perspectives or

generate theory. These methods include: 1) critical interpretative reviews; 2) narrative reviews; 3) expert opinions. **More**.

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

NEW PUBLICATIONS | SESYNC in the Journals

"Leakage does not fully offset soy supply-chain efforts to reduce deforestation in Brazil." Published in ***Nature Communications*** by Nelson Villoria, Rachael Garrett, former SESYNC postdoctoral fellow Florian Gollnow, and Kimberly Carlson.

"Understanding farmers' conservation behavior over time: A longitudinal application of the transtheoretical model of behavior change." Published in ***Journal of Environmental Management*** by Elizabeth M.B. Doran, Mary Doidge, Semra Aytur, and Robyn S. Wilson.

"A Conceptual Framework to Integrate Biodiversity, Ecosystem Function, and Ecosystem Service Models." Published in ***BioScience*** by Sarah R. Weiskopf, Bonnie J. E. Myers, Maria Isabel Arce-Plata, Julia L. Blanchard, Simon Ferrier, Elizabeth A. Fulton, Mike Harfoot, Forest Isbell, Justin A. Johnson, Akira S. Mori, Ensheng Weng, Zuzana V. HarmáCˇková, María Cecilia Londoño-Murcia, Brian W. Miller, Laura M. Pereira, and Isabel M. D Rosa. This paper resulted from the SESYNC Pursuit Diversity in Eco-Function.

"Climate change, moose, and subsistence harvest: Social-ecological assessment of Nuiqsut, Alaska." Published in ***Ecology & Society*** by Jiake Zhou, Gary P. Kofinas, Knut Kielland, Randall B. Boone, Laura Prugh, and Ken D. Tape.