Socio-Environmental Modeling Resources in the Series

VIDEO 🎥   Textual 📄

Building the Basics for Socio-Environmental Modeling 🎥

Part 1: Socio-Environmental Systems as Complex Adaptive Systems

https://www.sesync.org/resources/building-basics-part-1-socio-environmental-systems-complex-adaptive-systems

Part 2: Defining the Problem and Spanning Boundaries

https://www.sesync.org/resources/building-basics-part-2-defining-problem-and-spanning-boundaries

Part 3: Choosing a Modeling Approach

https://www.sesync.org/resources/building-basics-part-3-choosing-modeling-approach

Confronting the Issues of Scale in SES Modeling 🎥

https://www.sesync.org/resources/confronting-issues-scale-ses-modeling-0

Incorporating Behavior in Socio-Environmental Systems Modeling 🎥

https://www.sesync.org/resources/incorporating-behavior-socio-environmental-systems-modeling

Introduction to Futures Thinking in Socio-Environmental Systems 🎥

https://www.sesync.org/resources/introduction-futures-thinking-socio-environmental-systems

Creating Socio-Environmental Scenarios 🎥

https://www.sesync.org/resources/creating-socio-environmental-scenarios

Socio-Hydrology: Including Human Behavior in Flood Risk Models 🎥

https://www.sesync.org/resources/socio-hydrology-including-human-behavior-flood-risk-models

Introduction to Spatial Agent-Based Models 🎥

Part 1

https://www.sesync.org/resources/introduction-spatial-agent-based-models-part-1

Part 2
https://www.sesync.org/resources/introduction-spatial-agent-based-models-part-2

Systems Dynamics and Agent-Based Models: Two-Minute Introductions
https://www.sesync.org/resources/systems-dynamics-and-agent-based-models-two-minute-introductions

Network Methods to Understand Complex Systems (teaching lessons) 📄

Part 1: Ecological Networks
https://www.sesync.org/resources/network-methods-understand-complex-systems-part-1-ecological-networks

Part 2: Social Networks
https://www.sesync.org/resources/network-methods-understand-complex-systems-part-2-social-networks

Participatory Modeling Resources

Tools and methods in participatory modeling: Selecting the right tool for the job
https://www.sesync.org/research/tools-and-methods-participatory-modeling-selecting-right-tool-job

Purpose, processes, partnerships, and products: Four Ps to advance participatory socio-environmental modeling https://www.sesync.org/research/purpose-processes-partnerships-and-products-four-ps-advance-participatory-socio

Lessons learned from success and failure in participatory modeling
https://www.sesync.org/research/try-try-again-lessons-learned-success-and-failure-participatory-modeling

Twelve questions for the participatory modeling community
https://www.sesync.org/research/twelve-questions-participatory-modeling-community

What's left before participatory modeling can fully support real-world environmental planning processes: A case study review
https://www.sesync.org/research/whats-left-participatory-modeling-can-fully-support-real-world-environmental-planning

Combining participatory scenario planning and systems modeling to identify drivers of future sustainability on the Mongolian Plateau
https://www.sesync.org/research/combining-participatory-scenario-planning-and-systems-modeling-identify-drivers-future

How methods for navigating uncertainty connect science and policy at the water-energy-food nexus https://www.sesync.org/research/how-methods-navigating-uncertainty-connect-science-and-policy-water-energy-food-nexus