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**

**Part 2: Defining the 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**

**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

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

Purpose, processes, partnerships, and products: Four Ps to advance participatory socio-environmental modeling

Lessons learned from success and failure in 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

How methods for navigating uncertainty connect science and policy at the water-energy-food nexus