Short Course: Introduction to Spatial Agent-Based Modeling 2020

Time of Event:
Monday, July 13, 2020 - 09:00 to Friday, July 17, 2020 - 17:00

"Introduction to Spatial Agent-Based Modeling 2020"

This 5-day short course will serve as an introduction to the theory and practice of spatially explicit agent-based modeling (ABM). Participants will learn the essential theoretical background and technical expertise needed to conceptualize, build, and analyze their first agent-based model. This course will guide them through the basic phases of the ABM research process: formulating a research question, specifying a model, creating a simulation, and interpreting the output. The course combines lectures with hands-on model-building sessions where participants will build a model using NetLogo to acquire basic and intermediate programming skills. More advanced students are welcome to build a model in a programming language of their choice. This will be an intensive, week-long immersion in ABM concepts and methods with reading and short writing assignments each day, and a ‘final project’ consisting of a simple model and standardized documentation to be published in the OpenABM repository. Learn more [2].

Event type:
Short Course/Workshop

Associated SESYNC Researcher(s):
nmagliocca [4]

Event Attendance:
Private Working Group

Source URL:

Links