

# A roadmap for spatial sensitivity analysis

## *Working Paper*

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### **Abstract**

We illustrate spatial sensitivity analysis by coupling a spatial generator embedded into OpenMOLE as a **Sampling** with a toy Luti model, using new features of the **NetLogoTask**

### **Example of a workflow**

- Generate realistic correlated spatial grids with an exponential mixture using a **SpatialSampling**
- Plug this into a NetLogoTask (recursive arrays inputs) for a toy Luti model
- Get successive system states (recursive array outputs)

### **Application**

First application : comparison of the scala implementation and the netlogo implementation (only spatial setup is random).