

Research Scenarios

A Research Scenario provides the broader context for the data use-cases and software use-cases.

Example scenarios are provided here:

Scenario # 1: Mary is an environmental sociologist interested in the socially structured factors (power, politics) that perpetuate environmental inequality. She is interested in visualizing the spatial distributions as well as the changes over time. However, for this first use case we assume Mary is starting her analysis and just wants to perform a Geographical Weighted (GW) regression of the input features.

Scenario # 2: Taehee, an experienced modeler and a post-doc student, is interested in understanding the effects of human preferences (on green infrastructure) in the eco-hydrology of a neighborhood under different what-if-scenarios. Taehee has developed a human preference and human benefit model (at the parcel scale) that he wants to integrate with RHESSys.

- [Critical Zone](#)
- [Green Infrastructure](#)
- [Other Use-Cases](#)
- [Vegetation Data](#)