

Spatial Enablement for Improving Community Resilience in the context of SDGs

Research Problem

Current practice and endeavors to achieve sustainable development have almost overlooked the significance of the impacts of informal tenure on community resilience. This is in most parts due to unavailability of data related to informal individuals and communities. This problem entangles measuring and monitoring the impacts of informal tenure on community resilience and accordingly achieving SDGs.

Research Objectives

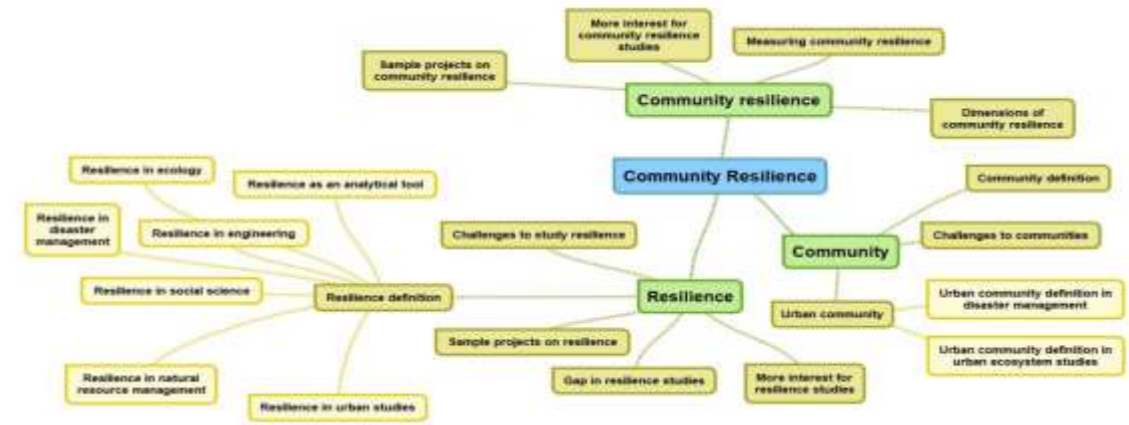
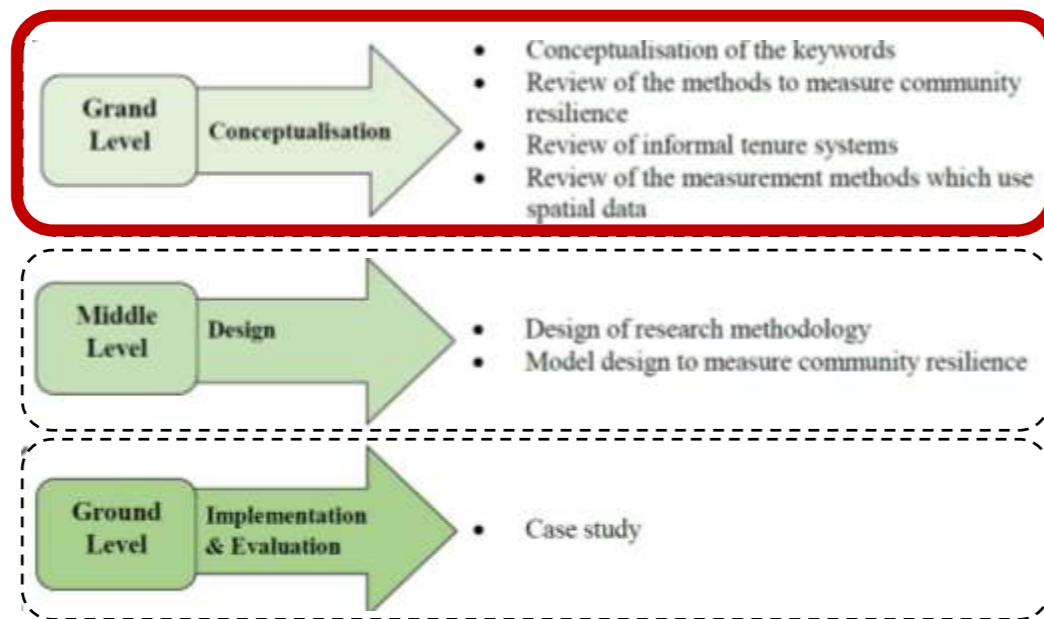
- I. To investigate the how communities' resilience is affected by informal tenure.
- II. To evaluate the existing method to measure community resilience.
- III. To develop a method or improve a current method to integrate spatial and statistical data to measure and monitor the impacts of informal tenure on community resilience.

Research Aim

This research is aiming to develop a model to integrate spatial and statistical data to enable the assessment and monitoring the impact of informal tenure on community resilience. This model will enable governments, decision-makers, and stakeholders to understand specific social vulnerabilities related to informal tenure and to monitor communities' vulnerabilities, feedbacks, and adaptation. This will support governments in their investments for tenure improvement in line with boosting community resilience.

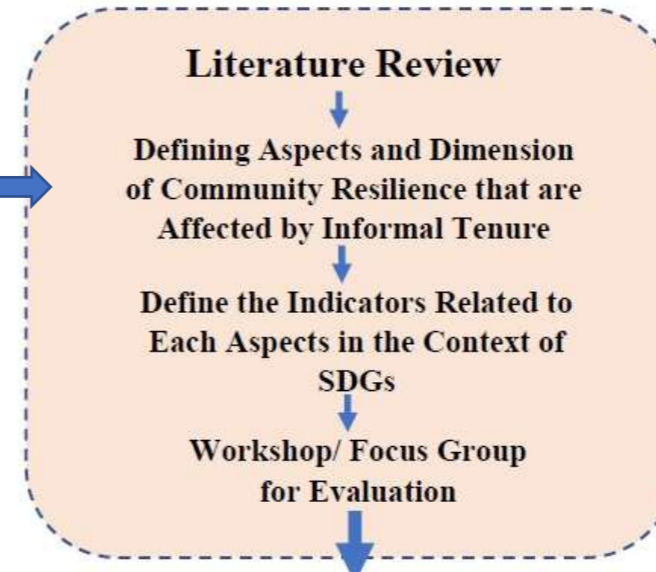


Community Resilience and SDGs (Source: Earth Observations in Service of the 2030 Agenda for Sustainable Development))



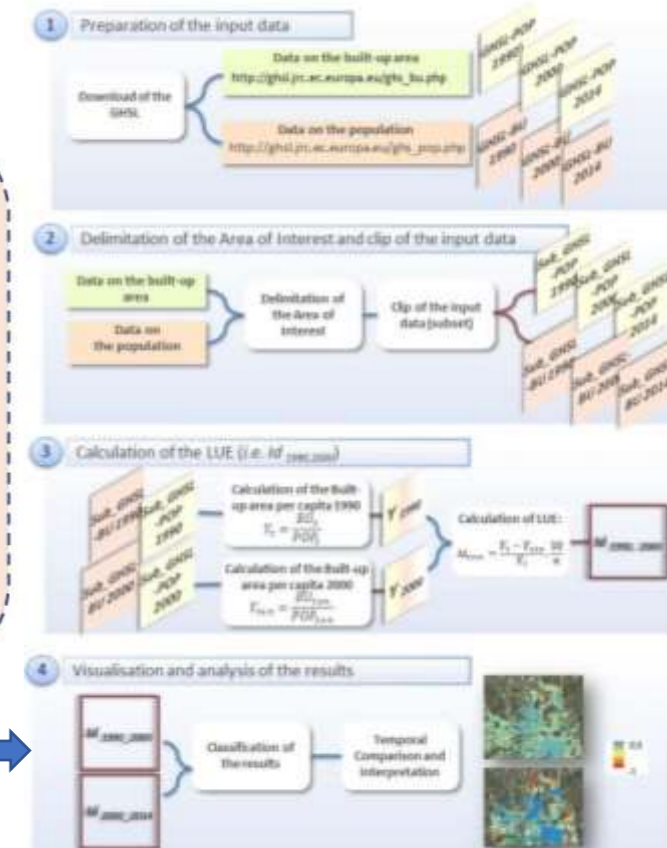
Literature review on
Community Resilience

Defining Indicators to Measure Impacts of Informal Tenure on Community Resilience



Indicators to Measure Impacts of Informal Tenure on Community Resilience

Measuring Indicators to Assess Community Resilience Using Spatial Data



Sample of Using Spatial Data (Source: LUE-European Union)

More Information

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