

Background and research problem

Informal settlements are among the most vulnerable communities. However, they are left behind in the global pursuit of SDGs due to data limitations.

Purpose of the study

This research is aiming to develop spatial enabled decision support tool to support governments, decision-makers, and stakeholders to define the areas of weaknesses and opportunities of informal settlements for future developments.

Significance of the study and expected deliverables

- Enabling the measurement of resilience indicators in informal settlements through data generation applying spatial data and machine learning techniques.
- Defining the synergies and trade-offs among different indicators of resilience by spatial analysis.
- Enhancing integrated policy and decision-making in line with boosting community resilience and sustainability by developing a platform to perform resilience assessment using spatial data and analysis.

Pictorial presentation of the research

