

Scenario generation

Design scenarios across the entire parameter space

Model

Use VTUF-3D to model 9814 scenarios

Sensitivity

Analyse parameters impact on temperatures

Temporal

Diurnal temperature variations due to parameters and feature importance

Spatial

Distributions of temperatures across scenarios

Application

Construct city-wide heat maps based only on urban form and fabric

Comparison

Compare LST observations to heat maps at ground level and without geography