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Targeted urban heat mitigation strategies using u databases and micro-climate modelling to examir profile

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Strategies for urban heat mitigation often make broad and non-specific recommendations (i.e. plant more trees) without a might be allocated to areas of lesser need over those where more urgent interventions are needed. Also, these interventi conditions are not considered. This project aims to assist with these interventions by providing a method to examine the systematic approach. Using urban morphology information from databases such as WUDAPT, areas of cities are cluste and modelled at a micro-scale using localised features and properties. This bottom up modelling approach, using the V areas to be assessed in detail for their human thermal comfort performance and provide a city-wide heat map of thermal tested and targeted for each cluster type. A case study performed using this method for Melbourne is presented.

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