

COSMA-Climate service to overheating risk mapping in Sri Lanka: a multi-scale modelling approach

Summary

This project has been developing multi-scale modelling framework (regional-urban-building-people) to predict the overheating risk to heatwaves in the urban area of Colombo, Sri Lanka and regenerating the vernacular design knowledge for mitigating heat exposure.



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Partnerships for global development: 9 Dec 2020

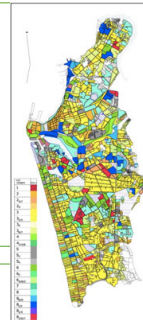
Key findings/learning/outcomes

- Multi-scale modelling framework considering both indoor and outdoor overheating risk
- Generate overheating risk map for Colombo, Sri Lanka
- Heat mitigation strategies (urban planning and building design)
- Regeneration of vernacular design knowledge



Where?

Colombo, Sri Lanka



Project partners/funders

Department of Architecture and urban planning
University of Moratuwa, Sri Lanka
NERC-SHEAR