

# Interdisciplinary Research on Cyclone Resilience of Traditional Buildings in Coastal Madagascar



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**11:00 a.m.**



**Conference Room, 3/F,  
Mong Man Wai Building**



**[Zoom Link](#) (Mixed-mode)**

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Climate change is recognised as the most pressing global challenge for the next decade. Madagascar suffers significantly from climate change given its particularly vulnerable social and physical geography. Tropical cyclone is one of the most significant hazard for the population of the east coast of Madagascar, with extreme winds and heavy rain causing the collapse of thousands of traditional structures yearly. Yet, changes in cyclone frequency and intensity under climate change remain particularly under-researched in this region. Economic and other constraints often hinder communities from enhancing the resilience of their homes. Humanitarian NGOs produce guidelines for cyclone resilient construction, but they are currently not able to prioritise the various improvements in their guidelines. This seminar will share some past and on-going research activities over the past 6 years by an interdisciplinary research team from UK, Madagascar and Kenya consists of social scientists, climatologists and engineers working with NGO partners (Conservation International, International Federation of Red Cross and Red Crescent, CARE International), aiming to improve cyclone resilience of coastal communities in Madagascar.



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