

# Climate Sensitivity of Dengue in the Central Province, Sri Lanka

With the support of the Central Province Department of Health, Sri Lanka, Tropical Climate and Foundation for Environment, Climate and Technology are undertaking a project to characterize climate and dengue linkages in Sri Lanka, focusing initially on the Central province. The goal is to use climate information for early warning of disease risk.

Central Province Department of Health, Sri Lanka | Foundation for Environment, Climate, and Technology [TECT] | Tropical Climate Guarantee [TCG]

## CONTACT INFORMATION

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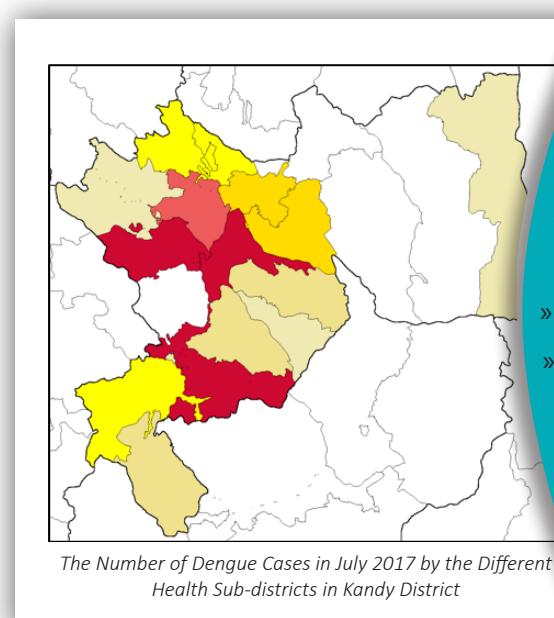
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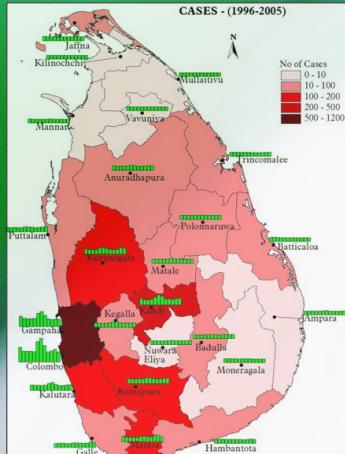
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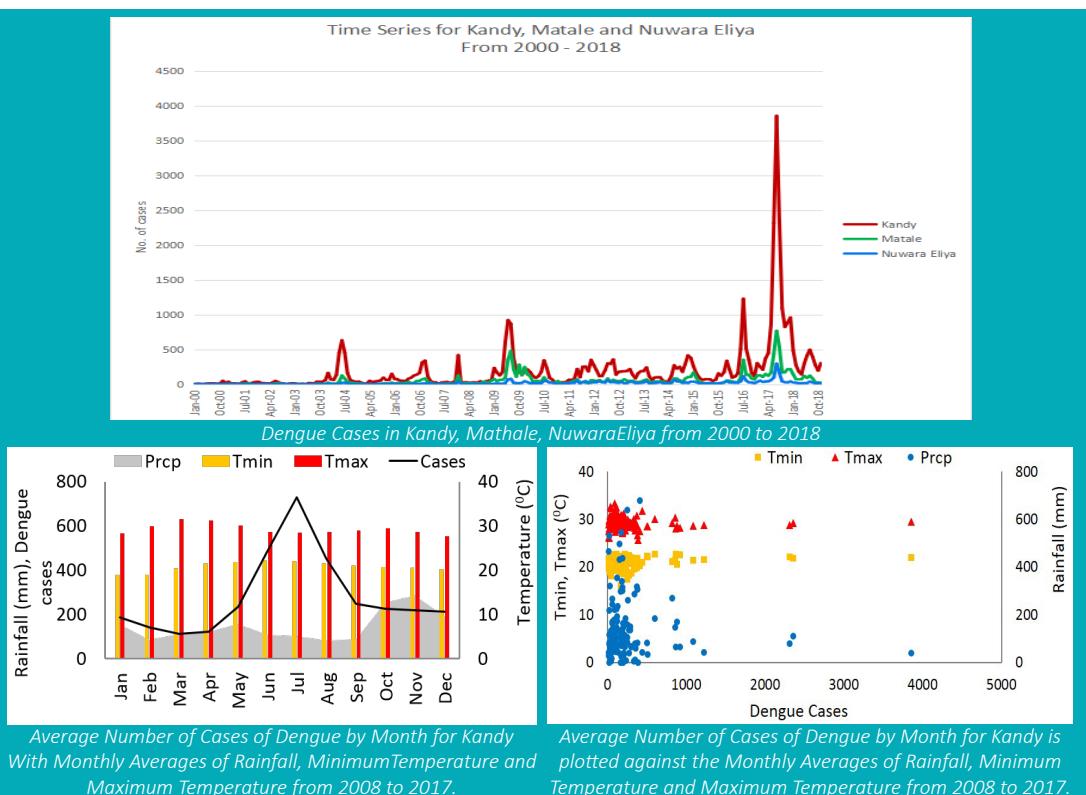


## ANTICIPATED PROJECT OUTPUTS

- » A database of fine scale climatic hydrological, entomological and dengue information
- » Fine-scale climate analysis and high resolution prediction techniques
- » A climate monitoring system
- » Geographic information systems for climatic, hydrological, malaria and societal data
- » Methods of identifying linkages between climatic variables and dengue at seasonal, inter-annual, and decadal time-scales
- » Methods to identify factors that lead to vulnerability to dengue.



Our analysis shows emerging evidence of climatic influence on dengue, both spatially and temporally. As there is considerable spatial and epochal heterogeneity in the climate and dengue linkage, carefully calibrated, fine-scale studies are needed. The rapid rise in Dengue requires special statistical methods.



The project shall lead to capacity building opportunities for researchers and government officials, as well as educational opportunities for students.



The project staff undertaking a consultation with MOH, PHI, AMC, women's groups and experts in community based work and other personnel in Akurana



The project staff have a research meeting with RDHS/AMC staff, and epidemiologists, geographers, anthropologists, sociologists from the University of Peradeniya at Digana Village.

## ABOUT FECT

This Foundation was established to promote environmental and climate technology and its applications in multiple fields. FECT builds on the work of the officers in Sri Lanka and internationally. Our work is oriented towards developing useable scientific and technological information that can be applied by users in diverse sectors. We work actively with other Sri Lankan partners in Government institutions, Research Institutes, and Universities.

Website : [www.climate.lk](http://www.climate.lk)

## ABOUT TCG

Tropical Climate is a registered non-profit voluntary service organization in Sri Lanka dedicated to advancing knowledge on tropical climate, its impacts and adaptation measures. It focuses particularly on regions within and around the Indian Ocean Rim - Sri Lanka, Maldives, Comoros. We work in partnership with Universities, Research Institutes and other public, private and civic organizations. TCG works with other individuals and organizations including the Foundation for Environment, Climate and Technology.

Website : [www.tropicalclimateguarantee.org](http://www.tropicalclimateguarantee.org)