

Planning meeting agenda: “Forecasting propagation of dengue/zika in Sri Lanka with Mobile Network Big Data”

Date: 6th May 2016

Location: Renuka Hotel, Colombo

<http://www.renukahotel.com/>

Friday, 6th May 2016		
0930-0940	Welcome; setting out of objectives of the meeting	Professor Vajira H.W. Dissanayake, (President, Health Informatics Society of Sri Lanka); Sriganesh Lokanathan (Team Leader – Big Data Research, LIRNEasia)
0940-1030	State of the art in forecasting infectious disease propagation with big data <ul style="list-style-type: none"> • Pakistan case study • Preliminary work in Sri Lanka 	Danaja Maldeniya (Senior Researcher, LIRNEasia) & Shehan Perera, PhD. (Senior Lecturer, University of Moratuwa)
1030-1100	Discussion of prior work	Moderated by Professor Rohan Samarajiva (Founding Chair, LIRNEasia)
1100-1130	Break	
1130-1230	Open discussion to identify research questions and relevant data sources	Moderated by Professor Rohan Samarajiva (Founding Chair, LIRNEasia)
1230-1330	Lunch	

Topics of interest for open discussion

The following are a non-exhaustive list of topics of interest to be taken up during the open discussion beyond the content of the preceding presentation on the state of the art in forecasting Dengue propagation:

1. Are the big data based methods being proposed relevant and applicable for dengue in Sri Lanka?
2. Factors contributing towards dengue propagation dynamics in Sri Lanka
 - a. Comments on considered factors
 - b. Overlooked factors
3. Availability and access to data
 - a. Spatiotemporal data on dengue incidence
 - b. Spatiotemporal data on dengue mosquito populations
 - c. Different strains of the virus in Sri Lanka
 - d. Spatiotemporal data on immunity to strains due prior infection
 - e. Relevant entomological facts on the local Dengue mosquito (lifespan, range, sub species)
 - f. Spatiotemporal climate data
 - g. Spatiotemporal data on prevention efforts
 - h. Other data?
4. Other major infectious diseases of interest, prevention and mitigation of which could benefit from similar analysis
5. What form should the collaboration between stakeholders take?