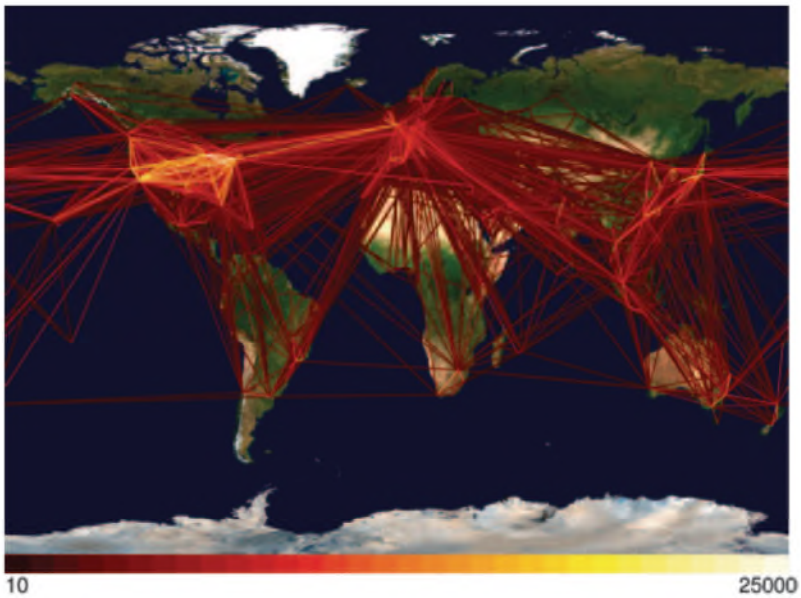
Plagues and People in the Modern World

Professor Sir Roy Anderson (Imperial College)

7:15pm, 12th February 2014

MS.02, Mathematics & Statistics, Zeeman Building, University of Warwick

The historical and epidemiological literature abound with accounts of infectious disease epidemics and of the concomitant effects on population abundance, social organisation and the unfolding pattern of historical events. Epidemics have long been a source of fear and fascination in human societies, but it is only in comparatively recent times that their origins and patterns have begun to yield their secrets through mathematical and scientific study.



The talk will examine the role played by predictive modelling in modern infectious disease epidemiology and will illustrate this by reference to past epidemics including the very recent H1N1 influenza pandemic (Did we overreact ? How can we better measure and predict pathogenicity? Will the H1N1 experience have a detrimental impact on how we respond to future epidemics?). The talk will also examine some of the neglected tropical diseases to address how can epidemiological modelling help the poorest societies in the world control infection and disease, and also help international agencies develop cost effective policies?

Refreshments will be served in the Main Atrium, Zeeman Building after the lecture.
For more details see www.warwick.ac.uk/go/wplms

Warwick Public Lectures in Mathematics and Statistics are aimed at a general audience

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