

Center for Inference and Dynamics of Infectious Diseases Seminar

A deep dive into the methods underlying model-based geostatistics and their application

Dr. Simon Hay, DPhil, DSc

Professor of Global Health University of Washington,
Director of Geospatial Science, Institute for Health Metrics and Evaluation

Fri Mar 17th 2017, 10:30AM to 11:30AM
Pelton Auditorium, Weintraub Building
Fred Hutchinson Cancer Research Center

Refreshments will be served; registration is not necessary to attend this event



Abstract: IHME's Director of Geospatial Science, Professor Simon Hay, will provide a deep dive into the methods underlying model-based geostatistics (MBG), particularly in relation to how MBG is being used to estimate (and map) under-5 mortality at a resolution of 5x5 km. He will focus on the types of data and methodological advancements and challenges faced by IHME's Geospatial Analysis team as they seek to produce accurate, spatially-granular estimates of under-5 mortality in 46 countries in sub-Saharan Africa, and eventually in Asia and the Americas. The methods described are also being applied more broadly to undernutrition and priority diseases for childhood survival (diarrhea, lower respiratory infection, and malaria). Additionally, Professor Simon Hay will illustrate the applications of geospatial analysis in assessing progress towards Sustainable Development Goals.



Contact Rebecca Allen (rebecca@fredhutch.org) with questions
<http://www.cidid.org>