## Forecasting tsunamis from future earthquakes

John McCloskey

(1) School of Environmental Sciences, (2) University of Ulster, Coleraine, Co. Derry, N. Ireland

Tsunami energy depends on essentially unknowable properties of the slip distribution of the causative earthquake. Here we simulate a large suite of possible future earthquakes under the Mentawai Islands to the west of Sumatra in an attempt to assess the possible consequences of the event.