

A joint event between McMaster Climate Centre, McMaster Water Network and UNU-INWEH



## CLIMATE & WATER RISKS

**TUESDAY 6 OCTOBER 2015, 7:00 PM**

McMaster Innovation Park (MIP), Atrium, 175 Longwood Road South, Hamilton

**Welcome Remarks:** Altaf Arain, Director McMaster Climate Centre, Geography and Earth Sciences

**Key Note Lecture:** **Ed Hanna**, York University, DSS Management Consultants Inc.

### Quantifying the Consequence of Risk and Uncertainty

TD Economics forecasts that natural hazards will cost the Canadian economy up to \$43 bn/yr in 2050. The impact of risk on forecast outcomes is typically significant. The sources and magnitude of risk tend to increase as time, space, and scope of forecasts increase.

Environmental management issues are good examples where decisions commonly involve multiple sources and high levels of risk, tied to complex biophysical and socioeconomic interactions. Here, risk estimation, quantitative analysis, and stakeholder communications will be examined. Practical examples from management of watersheds, human health impacts and transboundary air pollution will be presented. Some thoughts on what is needed to integrate quantitative risk analysis as a routine part of environmental management decisions will be given.



### Panel Discussion with:

**Paulin Coulibaly**, FloodNet Canada, McMaster School of Geography and Earth Sciences

**Dustin Garrick**, McMaster Water Network, McMaster Department of Political Science

**Ed Hanna**, York University, DSS Management Consultants Inc

**Zafar Adeel**, UN University Institute for Water, Environment and Health

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Water Week!