



# **Science for Humanitarian Emergencies and Resilience (SHEAR)**

## ***Caribbean Consultation***

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## Science for Humanitarian Emergencies and Resilience

2<sup>nd</sup> ‘Priority for Action’ of the Hyogo Framework for Action:

*“Identify, assess and monitor disaster risks and enhance early warning”*

The goal of this workshop is to:

1. Seek a broad range of views on the need, knowledge gaps and research priorities to enhance the use of disaster risk assessment and early warning systems in the Caribbean
2. Gain feedback on initial plans for a new DFID-funded research programme “Science for Humanitarian Emergencies and Resilience”



## Systemic, open risk information and analytical tools

Open risk atlas, underpinned by high quality research

Hierarchy of multi-hazard, dynamic risk models tailored for application

New sources of information on hazard, vulnerability, exposure and loss

## State-of-the-art integrated early warning systems

Greater understanding of social, political, economic and ecological drivers of risk

Integrated warning systems for disaster preparedness and response

Rigorous evaluations of warning systems from a user perspective

## Evidence-based tools and methods to integrate science into decision making

Pilot application of innovative warning systems with rigorous Monitoring and Evaluation

Better understanding socio-political barriers to uptake and lessons on overcoming them

Enhanced understanding of risk communication to inform methods and tools

Strong focus on evaluating what works in practice

Tried and tested open data/model platform accessible to all

Targeted capacity development



## Structure of the session

This session will include:

1. Introduction to the initial findings from the SHEAR scoping study
2. There will be three break-out sessions to discuss and get the views of relevant stakeholders in the region concerning:
  - (i) Current initiatives for risk assessments and early warning systems for weather-related hazards
  - (ii) The major gaps where new research is needed
  - (iii) How can research initiatives best meet end-user needs