Session 4: Defining direct and indirect impacts of disasters

Session Organizers: UNSD, UNDRR, ECE, ESCAP
Session Chair and Moderator: James Norris (Ordnance Survey, United Kingdom)
Session Participants

**Moderator**
Mr James Norris  
Ordnance Survey  
United Kingdom

**Keynote**
Mr Florent McIsaac  
Climate Change Group  
World Bank

Mr Rob Deakin, Resilience Manager  
Land Information New Zealand (LINZ), New Zealand

Mr Tiago Bernardes, Natural Disasters Operational Analyst  
Center for Monitoring Natural Disasters (CEMADEN), Brazil

Ms Macarena Perez, Head of Strategic Alliances  
Chilean Institute for Disaster Resilience

Mr Rahul Sengupta, Programme Management Officer  
United Nations Office for Disaster Risk Reduction (UNDRR)
Session Objective

This session aims to highlight and address issues in the scope and measurement of direct and indirect impacts of disasters, including delayed and indirect impacts as well as the measurement of impacts from slow-onset disasters.

The session will also discuss the Loss and Damage funding mechanisms in the nexus of climate change and disaster-related statistics from both user and producer perspectives.

Key Questions

- What is the role of the National Statistical System in defining direct and indirect impacts of disasters – how can we strengthen our institutional arrangements?
- What are the key challenges when translating models of disaster loss into statistical data?
- How can we better define and measure direct and indirect impacts of disaster?
Panel Discussion: Using Data on Measuring Direct and Indirect Impacts of Disasters

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