Intergovernmental Panel on Climate Change (IPCC) Special Report

"Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX)"

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Workshop to identify challenges and gaps in the implementation of risk management approaches to the adverse effects of climate change
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At the 29th session of the IPCC Panel (31 August - 4 September 2008 • Geneva, Switzerland),

Norway introduced a proposal, prepared in collaboration with the UN International Strategy for Disaster Reduction (ISDR), for a Special Report on extreme events and disasters, with an emphasis on risk management.
Frequency, Intensity, and Duration of Extreme Events

Disaster Risk Reduction and Climate Change Adaptation

Vulnerability
Disasters caused by extreme events that have or are projected to change with climate change

Disasters caused by extreme events interacting with other trends

New or potentially hazardous conditions that could arise due to climate change

Vulnerability

Capacity to prepare for and effectively respond to extreme events

Impacts
Chapter 1.

Climate change: new dimensions in disaster risk, exposure, vulnerability, and resilience

- Risk reduction, risk management, risk transfer
- Coping vs. adapting
- Extreme events vs. extreme impacts
Ch2. Determinants of risks: exposure and vulnerability

- Dimensions of vulnerability
- Vulnerability profiles
- Coping and adaptive capacities
- Assessment of and trends in vulnerability
- Risk identification, risk accumulation, and the nature of disasters
Ch3. Changes in climate extremes and their impacts on the natural physical environment

- Weather and climate events related to disasters
- Climate extremes and impacts: past and current changes
- The causes behind the changes
- Climate extremes and impacts: projected long-term changes
- Confidence in the projections
Ch4. Changes in impacts of climate extremes: human systems and ecosystems

- Role of climate extremes in natural and socioeconomic systems
- Nature of impacts and relation to hazards
- Observed trends in system exposure and vulnerability
- System- and sector-based aspects of vulnerability, exposures, and impacts
- Regional aspects of vulnerability, exposures, and impacts
- Costs of climate extremes and disasters
Ch5. Managing the risks from climate extremes at the local level

- Community coping, including migration
- Community-based disaster risk management
- Gender, age, wealth, and entitlements
- Social transfers, including microfinance, cash transfers, benefit schemes, and cash for work
- Risk transfers, including microinsurance
- Data as input for risk management, including challenges
- Costs of managing the risks from climate extremes
Ch6. Managing the risks from climate extremes at the national level

• Practice, including methods and tools
• Approaches for managing the risks
• Planning and policies
• Strategies, including institutions, legislation, and finance
• Perspective on the links between national and local scales
• Costs of managing the risks from climate extremes
Ch7. Managing the risks: international level and integration across scales

- International policy frameworks
- International humanitarian institutions and practice
- Other relevant international issues (health, food security, finance, security)
- International law
- Financing and (dis)incentives for risk reduction, costs and benefits of various approaches, and implications for financing flows
- Technology cooperation
- Risk transfer
- Perspective on links between local, national, and global scales
- Costs of managing the risks from climate extremes
**Ch8. Toward a sustainable and resilient future**

- Disaster risk reduction as adaptation: relationship to development planning
- Synergies between short-term coping and long-term adaptation for sustainable development
- Interactions among disaster risk management, adaptation to climate change extremes, and mitigation of greenhouse gas emissions
- Implications for access to resources, equity, and sustainable development
- Implications for achieving relevant international goals
- Options for proactive, long-term resilience to future climate extremes
Ch9. Case studies

- Up to 25 case studies, illustrating
  - Genesis of disasters
  - Lessons learned on effective and ineffective approaches
  - Vulnerable regions
    - Bangladesh, Southern Africa
  - Vulnerable kinds of settlements
    - large cities
  - Particular kinds of extremes
    - intense rain, persistent heat waves
  - Particular risk management strategies
    - early warning systems
  - Integrated evaluations of particular events
    - European heat wave of 2003, Australian wildfires of 2009
We have to wait for…

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Session to approve SPM and accept underlying document
Thank you …

Gracias…

Matilde Rusticucci

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