



Climate Change and Disaster Risk Management and Reduction

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Briefing Agenda

- 1. Hazard Implications of Climate Change & Key Issues**
- 2. Points for Consideration**
- 3. Adaptation for Climate Change and Disaster Mitigation;
Township Planning Strategies for Storm Surge in the
Caribbean Project**
- 4. Proposed Interventions of the UNFCCC**
- 5. Guiding Principles for Implementation**

Hazard Implications of Climate Change & Key Issues

1. Tropical Storms & Hurricanes

- Potential increase in frequency and severity
 - 1978 – 1988 – only 3 Category 4 & 5 hurricanes
 - Since 1988 – 11 Category 4 & 5 hurricanes in the Caribbean
- ***KEY ISSUE: Suggests the need for further enhancement of preparedness and response & mitigation capability***

Hazard Implications of Climate Change & Key Issues

2. Flooding

- Increased frequency and intensity of inland flooding events
- Coastal inundation due to Sea-level rise

KEY ISSUES:

- 1. Need for enhanced capacity in flood contingency planning***
- 2. Need to assess potential damage impacts***
- 3. Relocation identified as a broader disaster management issue.***

Hazard Implications of Climate Change & Key Issues

3. Drought

- Associated with El Nino
- Potential for increased frequency and intensity of drought events

KEY ISSUE:

Need to build national and regional capacity for drought management

Points for Consideration

- 1. Present Climate vs Future Climate Change***
- 2. Adaptation measures for climate variability and extremes already exist***
- 3. Adaptation to future climate change should first seek to identify gaps in current capacity***
- 4. Adaptation should be based on quantitative assessment of potential impacts – scientific data required!***

Points for Consideration

- 5. Vulnerability assessments required including consideration of land use planning**
- 6. The need to increase risk awareness and strive towards risk reduction**
- 7. Climate change impacts for disaster management are multi-sectoral and must be addressed from a multi-sector approach**

The Way Forward- Comprehensive Disaster Management CDM: A framework for implementation

- **CDERA has facilitated the development and adoption of a Strategy of Comprehensive Disaster Management (CDM).**
- **The strategic objective is that the CDM is integrated into the development process of CDERA member states.**
- **The climate change, disaster management agenda is addressed through two of the five CDM Intermediate Results (IRs):**

IR 4: Preparedness Response and Mitigation Capacity is enhanced and integrated

IR 5: Hazard information is incorporated into development planning and decision-making

Comprehensive Disaster Risk Management (CDM) Strategy and Results Framework

**GOAL: Sustainable
Development in the Caribbean**

**SO: Comprehensive Disaster Management is integrated into the
development processes of CDERA member countries**

IR-1:
Stronger regional and national institutions promote CDM.

IR- 2:
Research and training support CDM.

IR- 3:
Regional institutions and donors incorporate CDM in their own programs and promote CDM to their national members/ clients.

IR- 4:
Preparedness , response and mitigation capability is enhanced and integrated.

IR- 5:
Hazard information is incorporated into development planning and decision making.

Adaptation for Climate Change and Disaster Mitigation; Township Planning Strategies for Storm Surge in the Caribbean

- **General-** To assist Caribbean countries in the development of adaptation strategies needed to deal with the impact of natural disasters and severe weather events anticipated to occur in association with climate change, and to strengthen their capacity for adaptation to this phenomenon

Component 1

Pilot Projects

- Risk Assessment
- Proposal Development

Component 2

Toolkit Development

- Tailor information to 4 types of users

Component 3

Dissemination

- Workshops
- Website
- Publications

Proposed Interventions of the UNFCCC through MACC

- **Capacity Building**

- **National Disaster Coordinators – Guidelines and training for incorporating CC into programming**
- **Linking CDM and Climate Change**

Proposed Interventions of the UNFCCC through MACC

- **Model Plans & Policies – drought, relocation, evacuation & adaptation of plans for pilot countries**
- **Develop risk mitigation guidelines for selected sites**
- **Documentation of successful practices**

Proposed Interventions of the UNFCCC through MACC

- **Technical Studies and Data Needs**
 - **Development of impact scenarios**
 - **Incorporation of outputs of scenarios on risk management and development initiatives**
 - **Integrated insurance claims history in selected countries**

Proposed Interventions of the UNFCCC through MACC

•Adaptation Options

- Identification of opportunities for and obstacles to adaptation.
- Development of financial strategies for financial adaptation to climate change.
- Promote mitigation sensitive premiums.

Guiding Principles for Implementation

- **Based on current needs**
- **Consider long term climate change needs**
- **Facilitate self-directed intervention at the national level**
- **Focus on developing practical solutions**
- **Comprise multi-stakeholder involvement**

Thank you!

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