



# World Meteorological Organization

Working together in weather, climate and water

## Technical Cooperation Workshop for Development of the Caribbean Regional Cooperation Programme in Multi-Hazard Early Warning System

### Session 4: Risk Analysis, Data Management and Exchange Issues to support DRM and EWS with Multi- Hazard Approach

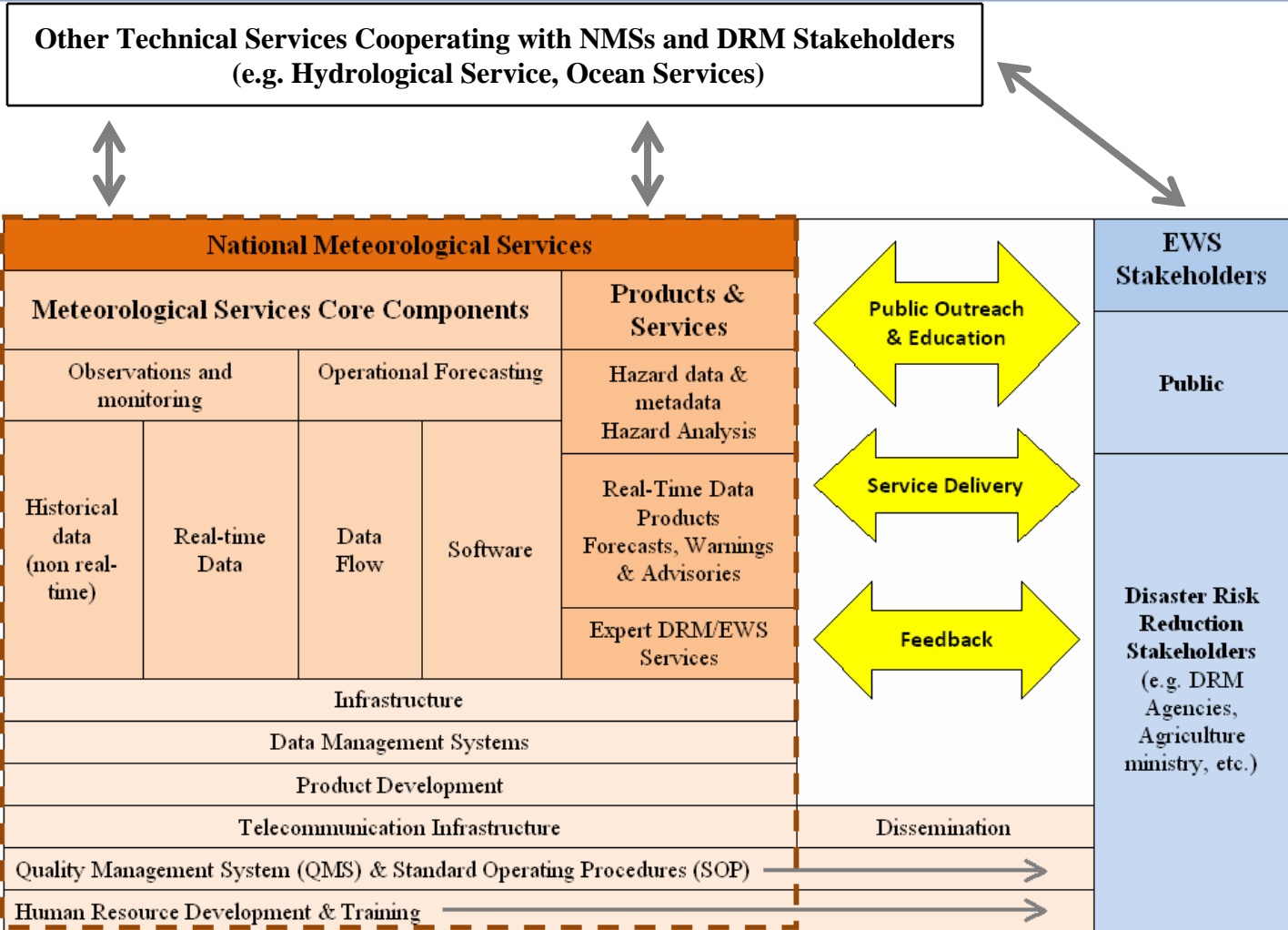
#### National and regional perspectives

**Dr Maryam Golnaraghi**  
Chief of Disaster Risk Reduction Programme

*2-5 November 2010  
Accra Beach Hotel & Spa  
Christ Church, Barbados*



# Linkages of Meteorological Services with EWS stakeholders and core capacities of Meteorological Services to support EWS and DRM stakeholders





# Specific areas from the report

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## DOC 4 Sections:

4.4.1: data products

4.4.2: Hazard Analysis

## Highest Priorities from the assessment are found in:

4.4.7 – Improvement of hazard analysis

5.2 – bullet 2 of the recommendation

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## **Session 4: Risk Analysis, Data Management and Exchange Issues to support DRM and EWS with Multi-Hazard Approach**

### **Presentation of the Panel**

- **Experience with development of probabilistic risk modeling in Caribbean and other regions and experience and challenges in Data Management systems**

*Mr. Niels Holms-Nielsen and Ms. Sahar Safaie - World Bank*

- **Challenges and Opportunities in regional cooperation in hazard data analysis management, and mapping in support of risk assessment in the Caribbean**

*Dr. David Farrell, CIMH*

- **Drought Risk Assessment**

*Mr Adrian Trotman, CIMH*

- **Experience in risk assessment and modeling in the Caribbean**

*Dr David Smith: University of West Indies*

- **Application of Risk Analysis and Modeling in the insurance sector**

*Ms. Ekhosuehi Iyahan, CCRIF*

- **Reflections in support of Hazard and Risk analysis in the Caribbean**

- UNESCO-IOC: Dr. Lorna Inniss and Ms. Diana Patricia MOSQUERA
- Carib-Hycos: Dr. Jean-Pierre Bricquet
- RAIW WIGOS Task Team: Mr. Glendell De Souza
- WMO: Maryam Golnaraghi



## **Session 4: Risk Analysis, Data Management and Exchange Issues to support DRM and EWS with Multi-Hazard Approach**

### **Questions for the working groups (1/2)**

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#### **Hazard, vulnerability and hazard losses data and collection**

- **What is your assessment of hazard data collection procedures, quality, availability, maintenance and sharing within your respective institution/sector, and across sectors in your country? Are you in need for Data rescue? Is there a dedicated process to collect and map data and information for vulnerability assessment to hydrometeorological and marine hazards? If yes, what are the institutions involved and how do they collaborate? Do you collect hazard losses and impact data, and standardization?**

#### **Hazard data analysis and mapping**

- **What is the experience in hazard data analysis and hazard mapping within your respective institution / country? If this is an area, you need capacity development support, please specify and provide details.**
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## **Session 4: Risk Analysis, Data Management and Exchange Issues to support DRM and EWS with Multi-Hazard Approach**

### **Questions for the working groups (2/2)**

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#### **Risk assessment**

- **Have you been utilizing any risk assessment or modelling that combines hazard analysis and vulnerability assessment in your operations? If not, do you see any application of such assessments in your operations? If this is an area, you need capacity development support, please specify and provide details.**

#### **Regional cooperation**

- **In your view, what would be the added-value of a regional process for risk assessment in the Caribbean? Which areas should cover such a regional process? What are the current regional capacities in Hazard/risk analysis? Please provide specific recommendations on challenges and needs for strengthening regional institutions and their capacities in supporting hazard/risk analysis for Hydro-met related hazard**
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# *Thank You*

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[http://www.wmo.int/pages/prog/drr/events/Barbados/index\\_en.html](http://www.wmo.int/pages/prog/drr/events/Barbados/index_en.html)

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