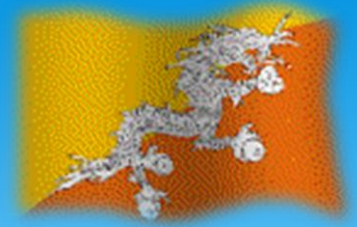


Overview of Drought in Bhutan

*Dept. of Disaster Management
Ministry of Home & Culture Affairs*



Presentation Outline



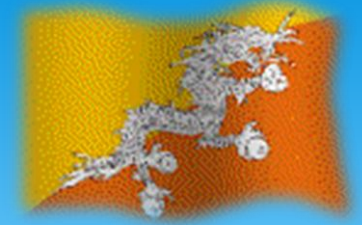
- * Country background
- * Various Hazards in Bhutan
- * Drought Hazards in Bhutan
- * DDM – Major Functions
- * DM Institutions at different levels

Country background

- * Country : Bhutan
- * Population: 741822 (till 2012) according to Population and Housing Census
- * Land Area: 38394km²



Hazards in Bhutan



- * Earthquake
- * GLOF
- * Flash Flood
- * Landslides
- * Fire
- * Other Hazards

Drought Hazards in Bhutan

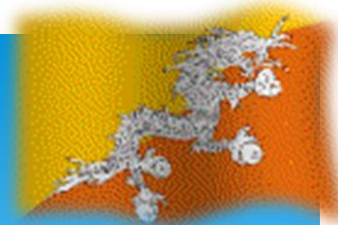
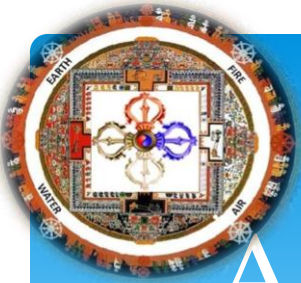
- * As such there is no major drought Hazards in Bhutan
- * The uneven distribution of water bodies and the topography of the country
- * Forest fire as a cause of Drought
- * Change in Rainfall pattern
- * Lingmutey Watershed in Wangdiphodrang



Drought Hazards in Bhutan. Contd.



- * Bajo irrigation Channel Siphon Project
- * The main purpose behind this two project is to promote food self sufficiency
- * No Drought early warning system
- ❖ Flood Early warning system have been installed along Pho Chu and Mochu Basin in Punakha

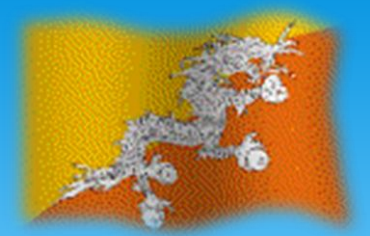


Agency Responsible in Bhutan

- ❖ Ministry of Agriculture and Forest
- ❖ Department of Agriculture and livestock
- ❖ Ministry of Health
- ❖ Department of Public Health
- ❖ Department of Disaster Management



Dept. of DM



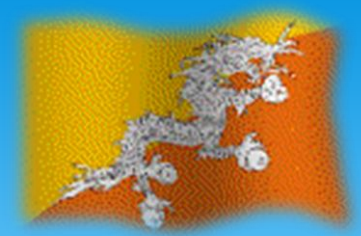
Major Functions:

The DDM shall serve as the secretariat and executive arm of the NDMA and also function as the National Coordinating Agency for disaster management.

- * prepare the National Plan in coordination with relevant Agencies;
- * formulate national standard, guideline and standard operating procedure for disaster management;



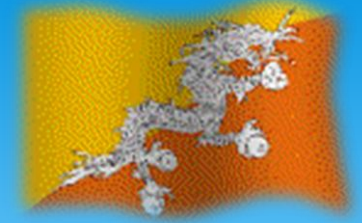
Functions cont.



- * develop and implement public education, awareness and capacity building programme on disaster management;
- * develop standard training module and curriculum on disaster management in coordination with relevant agencies;
- * facilitate the formulation of hazard zonation and vulnerability map by relevant agencies;



Institutional Setup



National Disaster Management Authority

Inter Ministerial Task Force

Department of Disaster Management
MoHCA

National Emergency Operation Center

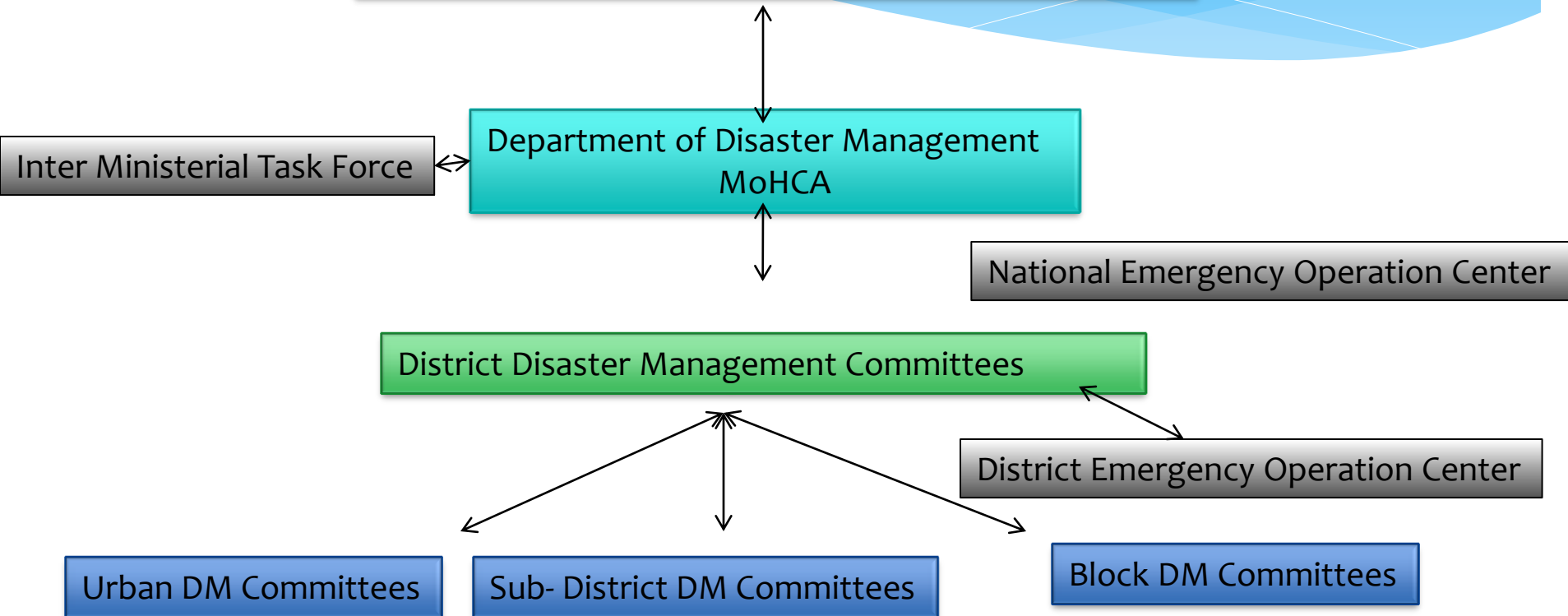
District Disaster Management Committees

District Emergency Operation Center

Urban DM Committees

Sub- District DM Committees

Block DM Committees



Preparedness Arrangement

- * **1. Institutional, Legislative & Policy Frameworks**
 - Sensitization Disaster Management Act 2013
 - Formulation of rules and regulation
- * **2. Hazard, Vulnerability and Risk Assessment**
 - Hazard Zonation /Mapping
 - Vulnerability Checklist and Assessment
- * **3. Disaster Preparedness Plans (DM Plans & Contingency Plans)**
 - Disaster Management (DM) Planning Guidelines (National, District, School)
 - Community Based Disaster Management Planning Process.

Preparedness Arrangement

- * **8. Capacity Development (Preparedness/Planning/Response)**
 - First Responder Trainings
 - Preparedness planning/CBDRM ToT training



Thank you