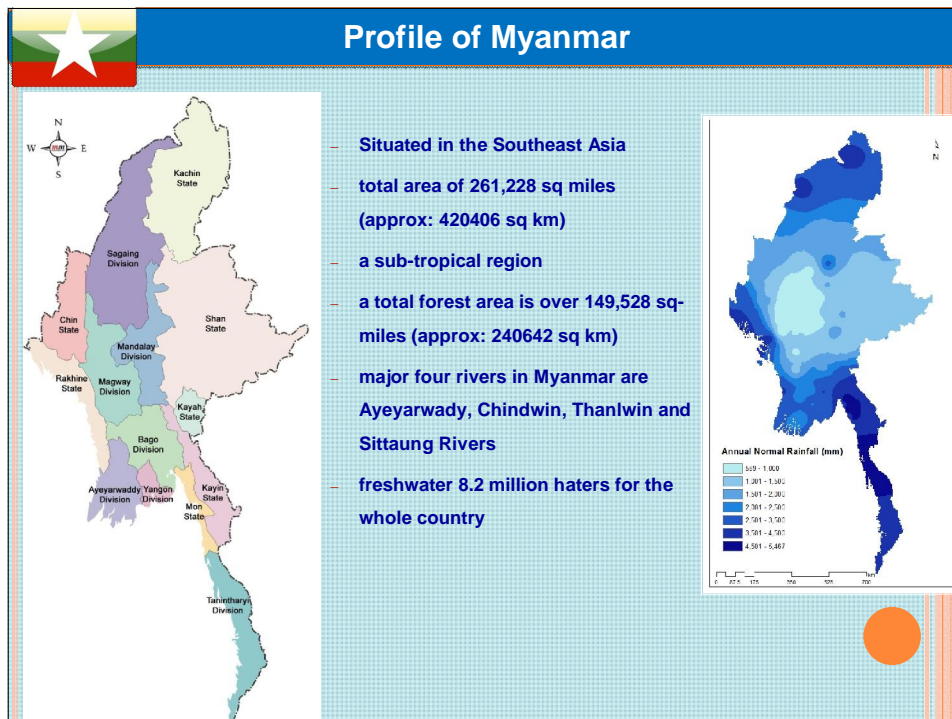


Regional workshop on “Geo-referenced information system for improving disaster risk preparedness and management in Asia and the Pacific”

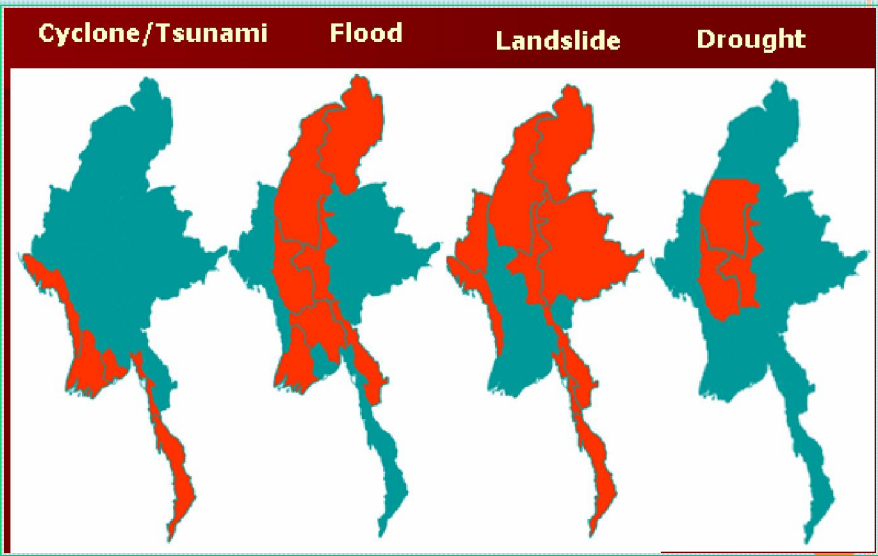
26-27 June 2014

Geo-referenced information system for improving disaster risk preparedness and management in Myanmar

Ms. Htay Htay Than
Deputy Director
GIS and RS Section, Hydrology Division
Department of Meteorology and Hydrology
Myanmar



Areas & Hazardous events

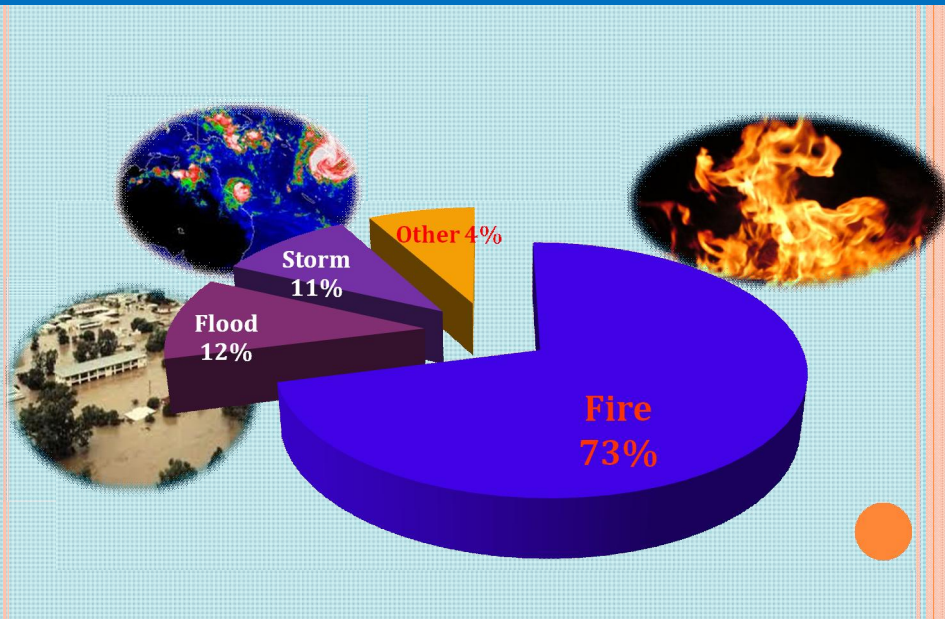


Source: Myanmar National Standing Order for Disaster Prevention

Hazard Calendar in Myanmar

Hazards	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cyclone												
High Temperature												
Low Temperature												
Drought												
Squalls & Thunderstorm												
Flood												
Heavy Rain												
Monsoon Depression												
Hail												

Percentage of Disaster within 10 Yrs from 2001 to 2010 in Myanmar



Damage caused by flood along the Ayeyarwady River in 2004

No	Station	Affected population	Affected houses			Affected Crops in Acres		Costs of damages (million kyats)
			Houses		Family Group	Coverage (acres)	Damage (acres)	
			Coverage	Damaged				
1	MYITKYINA	64561	8080	742	8429	11450	-	207.92
2	BHAMO	7014	1351	17		2508	579	-
3	KATHA	-	2765	-	-	269	575	-
4	SAGAING	-	-	-	-	33569	-	-
5	PAKOKKU	9802	-	-	2496	26427		-
6	MINBU	-	-	-	-	2844	1494	-
7	AUNGLAN	17620	3752	-	3467	-	-	-
8	PYAY							-
9	HINTHADA							-
TOTAL								207.92

**Data can get from Relief and Resettlement Department,
General Administrative Department , Local Government**

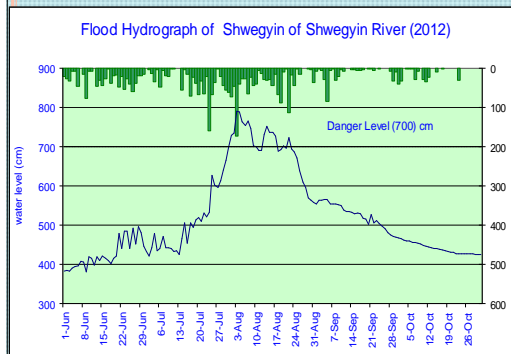
2010-11 CROP AREAS DAMAGED

	Affected	Damaged	Resown
Flood	462,495	96,732	903
Drought	129,811	2,844	-
Pest & Disease	1,814	129	-
Others	207,149	196,787	347
Total:	801,269	296,492	1,250

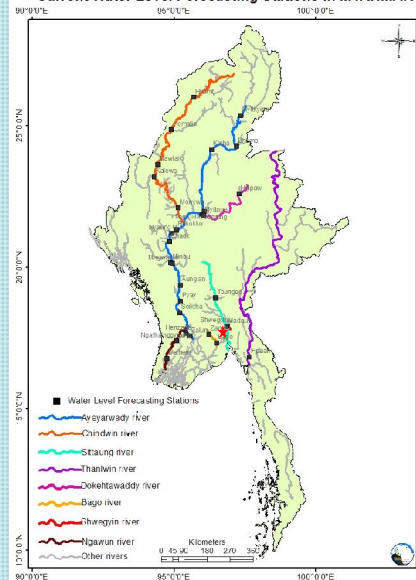
Data can get from Department of Agriculture Planning

2012 Flood

3rd Highest (1966-2012) of Shwegyin of Shwegyin River



Current Water Level Forecasting Stations in MYANMAR

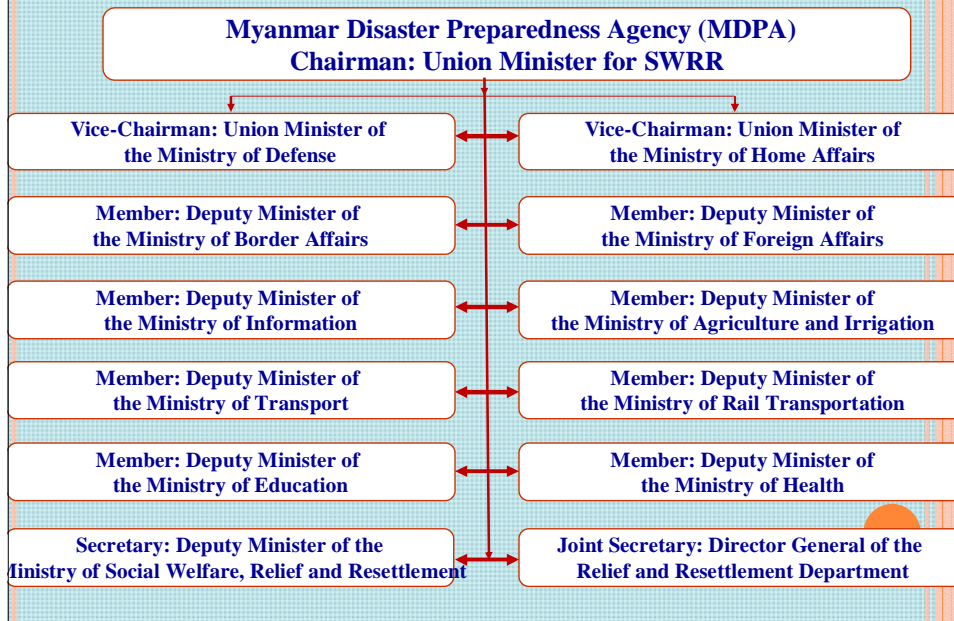


q Inundated $\frac{3}{4}$ of the total area

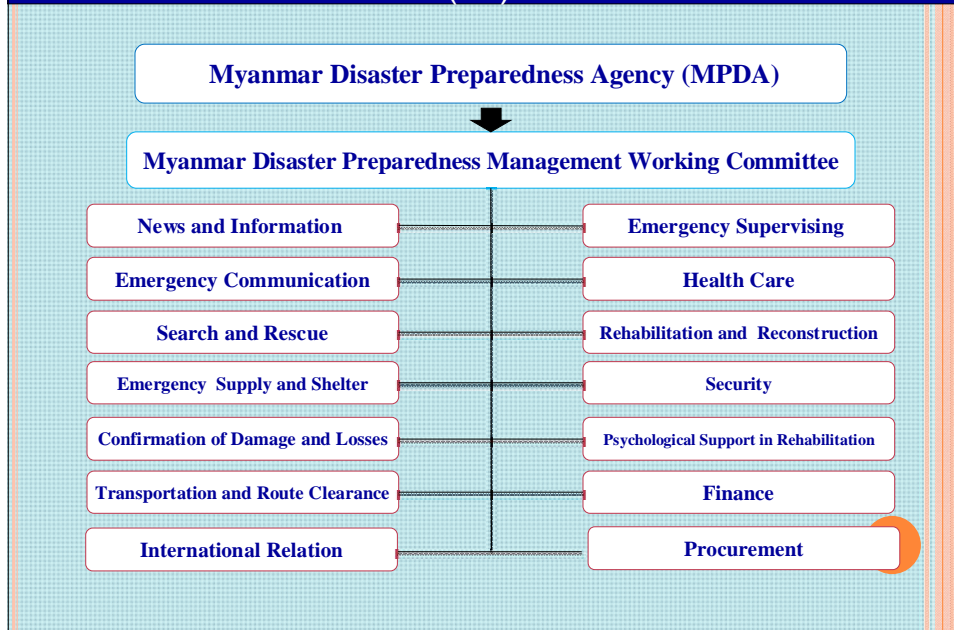
q 20 wards were inundated

q Flood affected population was about 11255

ORGANIZATION CHART OF MYANMAR DISASTER PREPAREDNESS AGENCY (MDPA)



Organization Chart of MDPDA, Management Working Committee and (14) Sub-committees

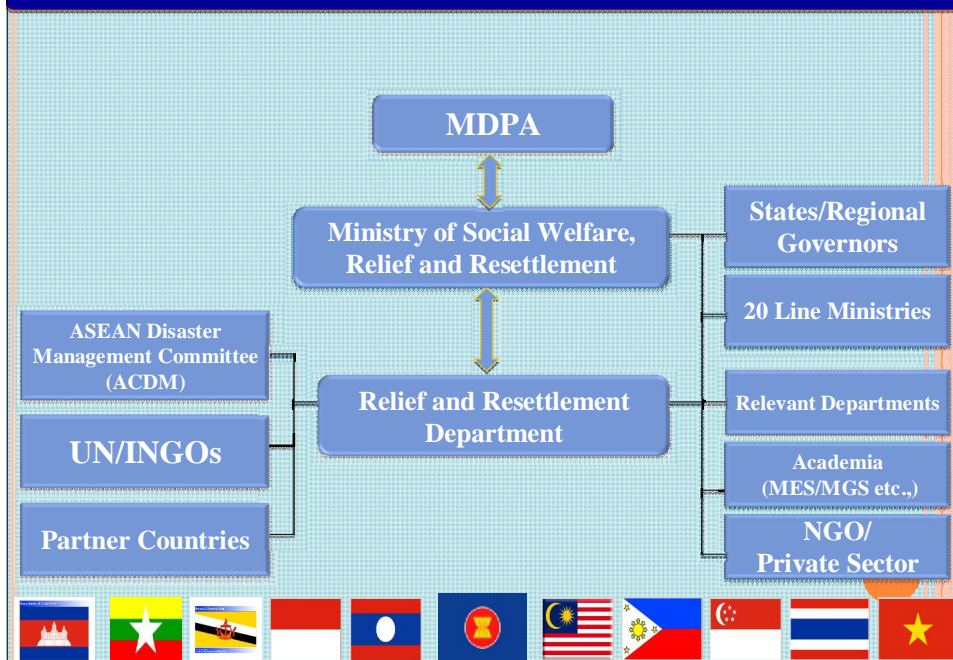


Disaster Management Activities

- ✓ Disaster Risk Management Law has been enacted on 31 July 2013
- ✓ Myanmar Action Plan on Disaster Risk Reduction(MAPDRR) has already been launched.
- ✓ Disaster Management Curriculum has already been updated.
- ✓ Monitoring Room is being implemented.
- ✓ National Crisis Management Centre was launched at Nay Pyi Taw on 12 June 2014 to help local authorities react more quickly and effectively to emergencies. The Centre will be ready for 24/7 service and work together with the ASEAN Coordinating Centre



Coordination Mechanism



Partner Organizations in conducting Disaster Management Activities : *States/ Regional Levels*

1. Relief and Resettlement Department
2. Fire Services Department
3. Department of General Administration
4. Myanmar Police Force
5. Myanmar Red Cross Society
6. Department of Health
7. Department of Irrigation
8. Inland Water Transport
9. Myanmar Airways

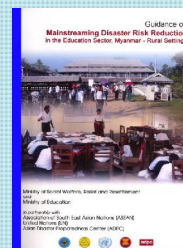
DISASTER MANAGEMENT AND DISASTER RISK REDUCTION GUIDELINES



- ❖ Myanmar Action Plan on Disaster Risk Reduction (MAPDRR)
- ❖ Hazard Profile of Myanmar
- ❖ Institutional Arrangements for Disaster Management in Myanmar
- ❖ Guidance on Mainstreaming DRR in three sectors (Education, Health and Housing)
- ❖ Guidance Book of Township Level Natural Disaster Risk Management Action Plan



Implemented by the Technical Assistance from ADPC



Responsibilities of DMH WARNING, BULLETIN, FORECAST AND NEWS

- § Cyclone Warning
- § Storm Surge Warning
- § Flood Warning
- § Untimely Rainfall Warning
- § Fog Warning
- § Heavy Rain Warning
- § Aviation Weather Warning
- § Low flow water level
- § Tsunami Warning
- § Port Warning
- ü Agro-meteorological Bulletin
- ü Bay Bulletin
- ü Flood Bulletin
- ü Special Weather Bulletin
- √ Daily Weather/Water Level
- √ 10 Days Weather/Water Level
- √ Monthly Weather/Water Level/Flood
- √ Seasonal Weather/River Flood Forecast
- √ Aviation Weather Forecast
- √ Marine Weather Forecast
- √ Special Forecast
- Earthquake News
- Rainfall / Temperature Records
- Cyclone News

Telemetry System (Automatic Water Level Gauge)



1. Water level sensor for water level
2. Rain gauge sensor for intensity and duration of rain fall
3. Wind direction sensor for wind direction
4. Wind speed sensor for wind speed
5. Temperature sensor for temperature
6. Relative humidity sensor for RH%

Gust speed
Dew point

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/云报告?reportId=5_5378

