

Activities and Outlook related to Disaster Reduction in CMA

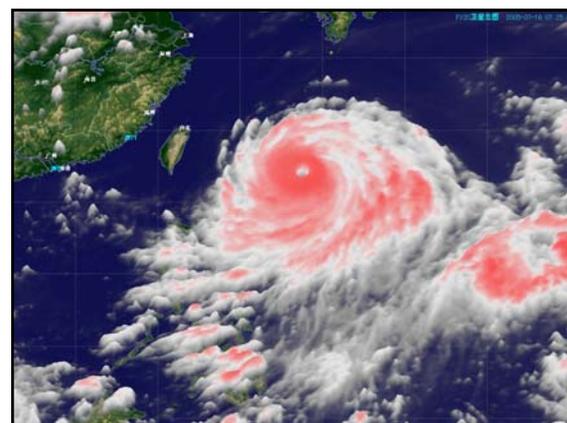
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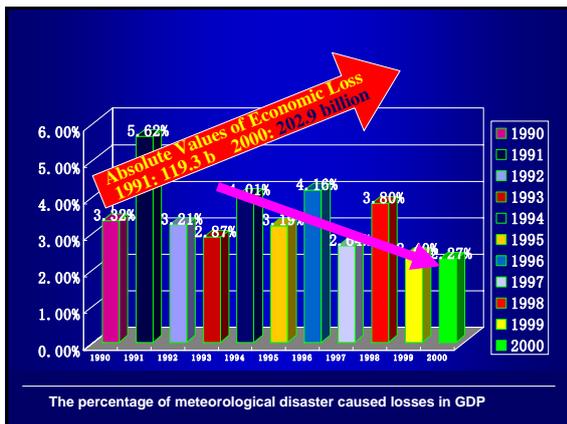
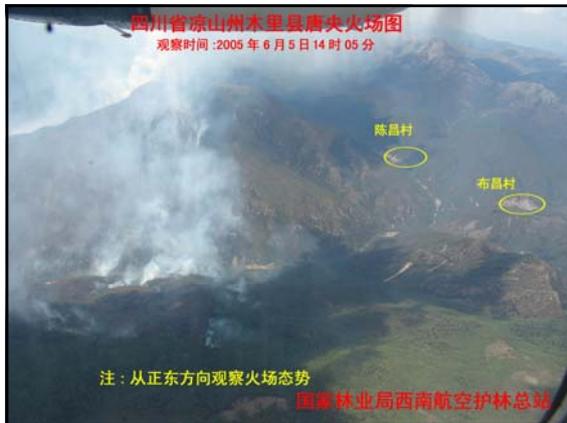
ADENDA

- Situation about MD and related disasters in CHINA
- Guidance for MD/RD management
- Recent activities related to MD/RD mitigation
- New configuration to EWS of MD/RD
- Outlook for MD/RD mitigation

Part 1 Meteorological Disasters and related Disasters Causing Heavy Losses in China

- Meteorological disasters such as tropical cyclone, heavy rain, drought, hailstone, heavy fog, high/low temperature, cold wave, sand/dust storm, thunderstorm, lightening, tornado, strong wind
 - choose to happen alternatively every year
 - cause an economic loss of several hundred billion Yuan (RMB) each year, and casualties up to several thousands
- Weather and climate-induced disastrous events such as flash flood, adverse geological event, biological calamity, forest and grassland fire
 - choose to happen alternatively every year
 - pose extreme threats to economic and social development, including living and safety
- Along with social and economic development, such losses caused by meteorological disasters and related disasters tend to be on the increase.





Part 2

Guidance Related to MDM in China

- Meteorological LAW for MD
 - Hazard Mapping
 - Impact Assessment
 - Warning
 - Planning, Options and Measures

Guidance Related to MDM in China

- China Meteorological Services Development Strategy Study
 - Strategic Objective and Goal
 - In 2010/25%/MD's Impact on GDP
 - In 2020/50%/MD's Impact on GDP
 - People-Center
 - Platform
 - Project
 - R&D

Part 3

Recent Activities in CMA/1

- CMA has worked out a **4-level warning signals** and associated rules for issuing.
- CMA has set up **regular (monthly) news release system** for meteorological information and disasters, and **directly reporting system and evaluating system** for meteorological disasters.
- CMA has prepared **Regulations on Meteorological Disaster Prevention** (Planning, Options and Measures), which was now going through a legislative procedure.
- CMA has finished the preparation of the **MD Yearbook** in 2005.

- TD will affect coastal areas within 24 hour and maximum sustained 2 minute wind speeds are from 10.8 to 17.1m/s or gusts are from 13.9 to 20.7m/s.
- TD has affected coastal areas and will continue and maximum sustained 2 minute wind speeds are from 10.8 to 17.1m/s or gusts are from 13.9 to 20.7m/s.
- TS will affect coastal areas within 24 hour and maximum sustained 2 minute wind speeds exceed 17.2m/s or gusts exceed 20.8m/s.
- TS has affected coastal areas and will continue and maximum sustained 2 minute wind speeds are from 17.2 to 24.4m/s or gusts are from 20.8 to 28.4m/s.
- STS will affect coastal areas within 12 hour and maximum sustained 2 minute wind speeds exceed 24.5m/s or gusts exceed 28.5m/s.
- STS has affected coastal areas and will continue and maximum sustained 2 minute wind speeds is from 24.5 to 32.6m/s or gusts exceed 28.5m/s.
- TY will affect coastal areas within 6 hour and maximum sustained 2 minute wind speeds exceed 32.7m/s.
- TY has affected coastal areas and will continue and maximum sustained 2 minute wind speeds or gusts exceed 32.7m/s.

Recent Activities in CMA/2

Regulations issued by CMA

- Contingency Plan for Significant Meteorological Disaster.
- Procedure for Issuing Unexpected Meteorological Disaster Early Warning Signals.
- Guidance on Meteorological Disaster Early Warning Signaling and Preventative Actions.
- Provisional Rules on News Release of Major Meteorological Information.
- Rules on Collection, Survey and Evaluation of Meteorological Disasters.

Recent Activities in CMA/3

Grade of TCs	Maximum Sustained 2 minute Wind Speed	Previous Standard
Tropical Depressio (TD)	10.8-17.1m/s	4 Grades
Tropical Storm (TS)	17.2-24.4m/s	
Severe Tropical Storm (STS)	24.5-32.6m/s	
Typhoon (TY)	32.7-41.4m/s	
Severe Typhoon (STY)	41.5-50.9m/s	Revised Standard 6 Grades
Super Typhoon / Super TS	>51.0m/s	

Revision on Grade Standard of TCs

Recent Activities in CMA/4

- Involving National coordination
 - National Committee on Disaster Reduction
 - National Headquarter on Flood and Drought
 - National Headquarter on Earthquake
- Cooperation activities
 - Geological Disaster Forecast in term of Meteorology
 - Forest and Grassland Fire Forecast in term of Meteorology
 - Fest forecast in term of Meteorology

On 26 December 2004, the earthquake-generated Tsunami in the Indian Ocean brought about tremendous disasters to mankind

Part 4 It also gave us some hints, as if propelling us to focus more attention to the important role that an early warning system can play in term of saving people's lives.

