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◆ Research disaster reduction and prevention management in Japan and lessons learned

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Disaster reduction and prevention background



The phases in disaster management

Three phases in disaster management is distinguished:

Disaster reduction and prevention

Disaster response and rescue

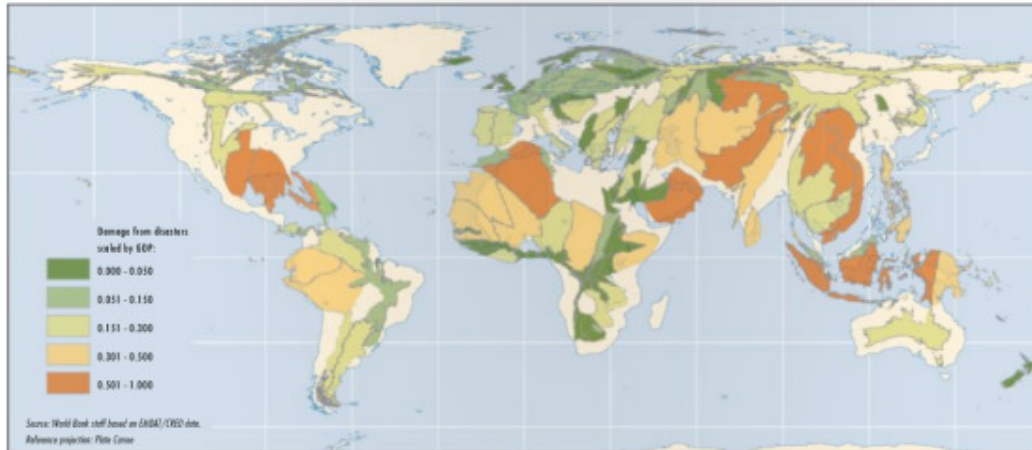
Disaster recovery and reconstruction





According to world bank data.
Damage from all hazards between 1970 and 2008 totaled \$2,300 billion (in 2008 dollars), or 0.23 percent of cumulative world output.

Damages shrink Africa but expand middle-income countries



◆ Disaster reduction and prevention management in china





1. Disaster management system and disaster law

National Committee for Disaster Reduction

Headquarter of China Forest Fire Prevention



Nation Disaster management system



State Council's earthquake rescue and relief headquarters

State flood control and drought relief headquarter



Disaster reduction state plan

<<Comprehensive disaster reduction plan for "the Eleventh Five Year">>

Disaster law

30 laws or regulations related to disaster prevention and reduction have been enacted and implemented or revised. such as “unexpected accidents response laws in People’s Republic of China”, “earthquake prevention and disaster reduction law in People’s Republic of China”, “flood resistance law in People’s Republic of China” and so on





2. Disaster risk assessment

China is planning to launch the comprehensive investigation project of disaster risks and disaster reduction capacity in key areas. This project aims to investigate the nature disaster risks and disaster reduction capacity in key areas at all aspects to identify major underlying risks and determine the disaster reduction resources and capacity limits in order to build the database for underlying risks and disaster reduction capacity with the risk evaluation model to set disaster risk management platform of national level and in key areas to form risk monitoring and evaluation operation system at national level and in key areas.



3. Disaster early warning

Based on the metrological, hydrological, earthquake, geological, maritime, environmental observation network, the government has continue to intensiy density of monitoring, and built nature disaster dynamic monitoring system including ocean bed observation and space-ground observation. The primary disaster monitoring and early-warning system has been formed.





4. Disaster reduction and prevention project

In recent years, the government has implemented a series of major disaster reduction projects related to flood prevention, drought relief, wind and sand storm prevention, ecological recovery.



5. Disaster reduction activity

China build the professional personnel development into the national professional personnel development plan, and eventually construct the disaster reduction education system and training platform.





6. Disaster education

12th May 2008, after the “Wenchuan” destructive earthquake, the disaster prevention and reduction draw great attention of society in China. Approved by the State council, since 2009, the day of 12th May has become “National day of disaster prevention and reduction”. All regions and all departments regard this day as a platform to strengthen disaster prevention and reduction education by popularize relevant knowledge and skills to public in order to increase the awareness and address the emerging problems in dealing with disasters in the very region or departments. On the first “day of disaster prevention and reduction”。



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