



## **New trends of seismic disaster management in China**

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Because of its special geological condition—jointed zone between Himalayas- Mediterranean active seismic and Circum-Pacific active seismic, there is a high seismic risk in China, the governments has paid great attention to the preparedness and mitigation of seismic disaster in the country. To mend the need of quick economical development, infrastructure building and promotion of the preparedness and mitigation of earthquake disaster, seismic disaster management has greatly been emphasized and got a quick progress in recent years, New trends of seismic disaster management in China include these contents: laws and policies on protecting against and prevention of seismic disaster, systems of seismic monitoring and quick prediction, systems of seismic disaster prevention based on the modern developed technology, and systems of emergency response and rescuing. In this article, the above four new trends will be presented in details. Since 1995, the legal systems of seismic disaster management have constructed a comprehensive system to strengthen laws and policies, so far, four national laws for seismic disaster management have been published and executed, some local regulations and policies in different departments, governments and enterprises have been published or are being formed. Seismic monitoring and quick prediction has also had a quick progress since 1990, whether in hardware building or in software construction, up to now, the national digital seismic monitoring network composed of 49 big seismic stations and lots of regional seismic stations, engineering and science researching stations has been completed, this network is equipped with digital seismometers with broad frequency band and large dynamic ranges, the recorded data can be transmitted to the data center of China Seismological Bureau in real-time, besides installation of seismometers, Globe Position System and Remote System and other observation techniques have already been applied to monitor the seismic activity. Many modern high-new technologies and theories can be found in seismic disaster prevention system, including aseismic design and seismic control of all kinds of structures,

education and popularization of the earthquake knowledge. An emergency response and rescuing team with modern equipment has been established on 21 March 2000, executable emergency response and rescuing plan in regional and enterprise's level has been set up based on their own characteristics, one typical emergency response and rescuing system is illustration in this paper.

**Key Words:** Seismic Disaster Management, New Trend, Seismic Disaster Prevention, Emergency Response