

# 中国地质灾害监测预警站网建设构想

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摘要：为了有效地减轻地质灾害对人民生命、财产和生存环境的危害，保证国家重大工程项目的安全进行，实现对地质生态环境的可持续开发利用，全面建立中国地质灾害监测预警站网体系已刻不容缓。本文提出了中国地质灾害监测预警站网建设的目标任务、建设原则和技术要求及监测指标体系；规划了监测预警站网的构成，即中国地质灾害监测预警站网体系由有资质的各级地质环境监测机构及其管理的监测站点所组成，包括1个国家（一级）站，约40个省级（二级）站，700个县级（三级）站和约10000个乡镇级（四级）站以及若干新理论、新方法或新技术监测预警试验区（站）；列出了站网运行必须开展的科学技术研究支撑项目和监测预警站网组织管理的总体要求、制度体系等。

关键词：地质灾害；监测预警；站网建设；构想

中图分类号：P694;X141 文献标识码：A 文章编号：1671-2552(2002)12-0869-07

A plan to set up a monitoring/warning station  
network system of geo-hazards in China

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Abstract: In order to reduce effectively the loss and damage of lives and properties caused by geo-hazards, ensure the safety in operating important engineering projects and realizing sustainable development and utilization of geo-environments, it is necessary and urgent to set up a station network system in China. The target, task, principle, technique requirements and monitoring indexes of the station network system are put forward in this paper. The structure of the station network system has been planned, i.e. it is composed of qualified geo-environment monitoring agencies at various levels and monitoring stations under their management, including one national (grade 1) station, about 40 provincial (grade 2) stations, 700 county (grade 3) stations, about 10000 township stations (grade 4) and a number of monitoring/warning test stations (areas) for testing new theories, new methods or new techniques. In addition, some major scientific and technological research projects that are necessary to support the operation of the station network system are listed and some management requirements and systems for operating the network are worked out.

Key words: geo-hazards; monitoring & warning; station nets system construction; plan