

## **RESEARCH INTO WENCHUAN EARTHQUAKE DISASTER THEMATIC MAP PRODUCT SYSTEM**

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From the initial single element to the comprehensive elements, from the single thematic map to thematic atlas of Wenchuan earthquake disaster that records the whole process of earthquake disaster, from the ordinary paper characteristics to special high gloss photograph paper and glue album paper and from easy-to-break and fragile paper medium to waterproof and portable cloth medium, etc. During “Wenchuan Earthquake” a large number of thematic map products are produced with contents covering disaster formation and progressive conditions of restoration and reconstruction, etc. according to different business requirements of national disaster management authority at stages of earthquake emergency response, disaster evaluation and restorations and reconstructions. The product making service mode of emergence drawing and drawing according to requirements is formed preliminarily, thus providing immediate and effective emergency decision support and data information service for the national disaster management authority and the general public.

At emergency response stage, thematic maps for disaster-pregnant environment, disaster-bearing body and disaster-inducing factors are mainly compiled and successively provided to the government, national disaster management authority or organizations with charge, thus providing the first hand data for the leaders and experts to know about the disaster deeply in the disaster area.

At disaster evaluation stage, thematic maps for Wenchuan earthquake disaster information and disaster evaluation, etc. are mainly compiled and provided to administrative departments such as: Wenchuan Earthquake Commission of the State Council, earthquake relief expert group of the Ministry of Civil Affairs and the Ministry of Science and Technology and National Committee for Disaster Reduction, etc. as well as many units such as: relevant research institutes, universities and propaganda medias, etc., thus providing effective measures for spatial and temporal distribution of disaster analysis, disaster degree evaluation in earthquake areas, ecological environment analysis and evaluation, etc.

At restoration and reconstruction stage, to actively coordinate national Wenchuan earthquake post-disaster restoration and reconstruction planning group, various restoration and reconstruction planning charts are researched and developed, and Atlas of State Overall Planning for Post-wenchuan Earthquake Restoration and Reconstruction is compiled, which express the restoration and reconstruction planning result information in a spatial way. The thematic maps include thematic information such as: distribution of geohazards, reconstruction portioning and county (urban area) reconstruction type in Wenchuan earthquake disaster areas, playing an important role in the overall planning for disaster reconstruction.

Catering to the general public, thematic map in electronic version is produced and released at the website for everyone’s download and usage. More, passages relevant to thematic map products and service mode are delivered and relevant disaster evaluation reports are issued.