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Climatic fluctuation and disasters during recent 100 years in China's tropics

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The temperature appeared rising trend during the 20th century in China's tropics. Two cooling stages and two warming stages in the process of climatic fluctuation can be recognized. After the 1980s the climate is the warmest which corresponds to the global change, but the warmest period is the 1940s in Kunming. The climate pattern mostly appears contemporaneity of warming and humidity, which is different from the situation of whole China. The natural disasters tend to be aggravated. The number of typhoons increased. Flood damages occurred frequently in the years of more typhoons. The number of droughts and cold damages increased. It was snowed in Guangzhou. There was frost in Haikou and Yaxian. Four years of heavy snow have been recorded in Kunming.

Paper (PDF)

关键词: natural disaster; climatic fluctuation; China's tropics