

## **Flash Drought Propagation in the Yangtze River Basin under Climate Change**

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### **Abstract**

Flash drought is a space-time phenomenon with rapid intensification which poses serious threats to terrestrial ecosystems. However, the understand of flash drought propagation under climate change and regional human activities is still insufficient, and its potential causes remain unresolved. To explore this key issue, an integrated framework is proposed to describe the drought propagation process in the Yangtze River Basin, and trend and attribution analyses are utilized to explore potential influence factors. The framework is conducive to better understanding of flash drought processes and provides scientific guidance for flash drought early warning, prevention and mitigation.

**Keywords:** flash drought, drought propagation, Yangtze River Basin, climate change.

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