



## **Recent climate change under the influence of human activities in the northern Tibetan Plateau**

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There is a great influence of thermal and dynamic effects of the Tibetan Plateau to climate change and circulation pattern. Under the background of the global change, the climate in the Tibetan Plateau had changed obvious in recent decades, especially after the Qinghai-Xizang Railway from Golmud to Lhasa started running. Based on analysis of long-term data set obtained at field sites and conventional meteorological stations, it is an attempt to reveal the facts of climate change in the northern Tibetan Plateau and the influence of human activities to the climate change with local urbanization in recent years.

**Key words:** Climate change; Human activity, Tibetan Plateau