

# MODERN CLIMATE OF CAT TIEN NATIONAL PARK (SOUTHERN VIETNAM): CLIMATOLOGICAL DATA FOR ECOLOGICAL STUDIES

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**Abstract.** The way of using of standard weather station data for local ecosystem researches is described. The environmental factors which may limit ecosystem functions are particularly examined. As an example for local climate description, modern climate of Cat Tien national park (Southern Vietnam) and local climate change during 1980–2010 is chosen. It is shown that Southern Vietnam climate responds with statistical significance to global climate change by annual and winter temperature rise and dry season precipitation increasing. El Niño events cause both sharp rise in temperature and decrease in precipitation in the very hot months of a year, so increasing the possibility of forest fires. Suggestions about possible reactions of tropical monsoon forest ecosystem to the climate change are given.

**Keywords:** modern climate change, South-East Asia tropical monsoon forest, Southern Vietnam, Cat Tien national park.