

**ACTIVITIES AND INFLUENCES OF WINTER MONSOON IN
VIETNAM, SOME METHODS OF THEIR MEDIUM AND LONG-TERM
PREDICTION**

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ABSTRACT

Due to its geographical position and complex orography, Vietnam is one of the countries which have typical monsoon climate. The influences of winter monsoon as well as summer monsoon to socioeconomy are very important and diversified.

This paper has two following parts:

- Part I: addresses mainly the law of activities and influences of winter monsoon, in other word, of North-East monsoon or cold air, prolonged severe cold surges; the role of atmospheric circulation, in which mainly the activities of Siberian high pressure and the Pacific subtropical high pressure.

- Part II: introduces a medium-term prediction model of cold surges and linear multi-regression equation of long-term prediction on the appearance of the first severe cold surge in winter.

The above-mentioned methods have been used in operational prediction in many years and rendered effective services to national economy, especially winter-spring crop.