

Recent tropical Pacific surface warming patterns: Unresolved puzzle

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Speaker

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Abstract

- Sea surface temperature (SST) pattern change in the tropical Pacific is a driver for global climate change and therefore its attribution and future projection are important.
- However, cause of observed changes over the past decades, i.e., enhancement of the zonal SST contrast and the strengthening of atmospheric Walker circulation, have not yet been understood partly because climate models have overall failed to reproduce them.
- In this seminar, hypotheses and mechanisms proposed so far are reviewed and then a very recent community activity to resolve this problem is introduced.

The seminar will be in English.