

How does ENSO affect heat waves in China?

Heat waves in China have can be affected by ENSO where low pressure centers in the Pacific and Indian Ocean are induced by El Niño as well as intensification and westward extension of the subtropical high-pressure center which leads to favorable conditions for heat waves in southern China<sup>46</sup>.

What is the relationship between ENSO and the climate of China?

The relationship between the ENSO and the climate of China was revealed. The main results indicated the following: 1) there are two ENSO modes acting on the subsurface tropical Pacific. The first mode is related to the mature phase of ENSO, which mainly appears during winter.

Does developing ENSO affect HWS in China?

The results indicate that, compared with the ENSO decaying summers, developing ENSO has much weaker effects on HWs in China, and the spatial patterns of the differences in HW statistics between El Niño and La Niña developing summers are also more heterogeneous.

Does the El Niño Southern Oscillation affect heat waves in China?

This paper investigates the impacts of the El Niño Southern Oscillation (ENSO) on various aspects of heat waves (HWs), including frequency, duration, and magnitude, over China during 1961-2014. Results show that El Niño (La Niña) significantly amplifies (weakens) the HW activities in most areas of China.

Does ENSO affect the East Asian Winter climate?

During the La Niña winters, a generally opposite picture is detected. Our findings provide key insights into the non-stationarity of the ENSO effects on the EAWM, and carry important implications for the subseasonal predictability of the ENSO influence on the East Asian winter climate.

How does ENSO affect rainfall pattern in eastern China?

The weakened and northeastward WPSH leads to the Summer Drought over southeastern China. Therefore, ENSO plays an important role in modulating the spatiotemporal rainfall pattern in eastern China, probably through the rainfall amount effect and moisture source effect.

The typhoon wind hazard along the southeast coast of China impacted by El Niño-Southern Oscillation (ENSO) is investigated using an improved statistical dynamics track model of tropical cyclones. Three types of years (El Niño/La Niña/Neutral) during ENSO cycles are confirmed on the basis of Niño 3.4 index averaged from July to October. It is found that the ...

Winter precipitation over eastern China displays remarkable interannual variability, which has been suggested to be closely related to El Niño-Southern Oscillation (ENSO). This study finds that ENSO impacts on ...

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Louise Kennelly joined Enso Energy in October 2023 and manages Enso's Business Operations, overseeing operational and people management functions critical to Enso's Growth. Louise has 27 years working in the public sector, 8 years with the Royal Navy and 19 years with the Police Service as a Detective Investigator.

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Previous studies reported that both El Ni o-Southern Oscillation (ENSO) and South China Sea summer monsoon (SM) play a dominant role in the western and eastern pole of the IOD, respectively. They can be used as predictors of the IOD at 3 month lead beyond self-persistence. Here, we develop an empirical model of multi-factors in which the ...

ENSO strongly affects the eddy pair in the South China Sea The eddy pair is absent during El Nino-La Nina transition years Wind pattern change is the primary cause of its absence ... As a result of the large wind jets, strong WBC, and frequently observed eddies, energy transfer and exchange are very active in this region [Chen et al., 2012].

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For ENSO events with different intensities, the impact of ENSO on regional wind resources varies with time and space. In general, El Ni241;o has reduced wind energy in most regions of China Seas except for the Bohai Sea and Beibu Bay, while La Ni241;a has strengthened the winds in most areas except for the Bohai Sea and southern South China Sea.

It is possible that climatic factors other than ENSO, including modes of secular climate change, are influencing the evolution of supply and demand of renewable energy (38, 52). Because ENSO is the best understood and identified global mechanism of seasonal-to-interannual climate variations (32, 53), our initial exploration was focused on its ...

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Enso develops and operates biomass-based power and thermal plants and is active in Portugal through its subsidiary Magestop. Igneo owns wind and solar farm operator Finerge SA, which calls itself Portugal's second-largest renewable energy producer.. Igneo via an affiliate notified Portuguese competition authority AdC of its intent to acquire Enso.

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