



El Niño–Southern Oscillation Related Extreme Events

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Message from the Guest Editors

Dear Colleagues,

In general, the El Niño–Southern Oscillation (ENSO) represents an irregular periodic mode on the interannual scale (usually 2–7 years), affecting the climate of most tropical and subtropical regions. ENSO-related extreme weather events greatly impact human life and property. Observations show that global warming has significantly impacted the frequency, intensity, and influence time of extreme events. So, will the link between ENSO and extreme events change with climate change, and how the ENSO diversity affecting on extreme events? These questions are worth further investigation.

In this special issue, we will focus on (1) the impacts and mechanisms of ENSO and its diversity on extreme events (including but not limited to extreme precipitation, droughts, heat waves, extreme cold, storms, tornadoes, etc.), (2) the impacts of climate change on ENSO-related extreme events and the corresponding attributions and predictions. We encourage submissions of original work covering a wide range of topics. Any relevant observational, theoretical, and numerical simulation studies are welcome.

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Guest Editors





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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