



ENSO Prediction

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Message from the Guest Editors

The El Niño–Southern Oscillation (ENSO) is the strongest interannual climate variability phenomenon across the globe, with worldwide climate and weather impacts. Understanding and improving predictions of ENSO are, thus, of vital importance. Over the past decades, there has been significant progress in the prediction of ENSO. However, serious challenges still exist in understanding ENSO and improving its prediction, highlighted particularly by the false predictions of 2014–2016 El Niño events. This Special Issue invites contributions that focus on ENSO and ENSO-related studies. Contributions are solicited on topics including studies of the theory, modeling, and prediction of ENSO as well the impact of ENSO on climate and weather anomalies on global or local scales. Especially welcome are contributions on operational or experimental prediction systems of ENSO, including model development, initialization scheme, and ensemble construction in addition to the evaluation of ENSO predictability in the framework of deterministic, probabilistic, and intrinsic measures.





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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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