Special Issue

Large-Scale Climate Change and Implications for Weather Extremes

Message from the Guest Editor

Large-scale climate change is our current reality. The attribution of extreme weather events and their impacts have gained more attention in scientific communities, as well as in the media and public attention. The open access journal *Atmosphere* is hosting a Special Issue to showcase the most recent findings related to large-scale climate change and extreme weather events in terms of the magnitude of the far-reaching effects, variability, teleconnectivity, and predictability of these events. This topic includs extreme value analysis methods, hydrometeorological statistics, comparative analysis on satellite and in situ observation data, and multivariate probability distributions. Topics of interest for the Special Issue include, but are not limited to, the following:

- Impacts of climate change;
- Mitigation of climate change;
- Adaptation to climate change;
- Extreme weather risk assessments;
- Water resources and climate change;
- Agricultural sustainability and climate change;
- Urban sustainability and storm-water management under climate change;
- Land use and soil erosion under climate change.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)

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About the Journal

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!

Editor-in-Chief

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