

Special Issue

Extreme Weather Events

Message from the Guest Editors

Extreme events such as heatwaves, droughts, tornadoes, snowstorms, extreme rainfalls, and hurricanes have affected human life since the dawn of time. An increasing number of extreme events have been observed around the world over the past few decades, some of them arguably attributed to changes in global temperatures during the 21st century. There is general agreement that changes in the frequency or intensity of extreme weather events are likely to have profound impacts on society and the environment. This Special Issue will collect data on weather extremes around the world, both past and present, analyze their relationship to climate change and assess forecasting capabilities. We encourage a variety of approaches using observation, reanalysis, and numerical modeling to assess the characteristics and processes of extreme events.

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