



water

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Extreme Hydroclimatic Events and Prediction

Guest Editor:

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Message from the Guest Editor

Do severe storms, producing lightning, hail, and flooding rains, just come out a blue sky? Or, are they predictable? If so, at what point in time or with how much lead time? This Special Issue examines the environmental “markers” for and predictability of severe weather events. Lightning and radar networks can be used to identify when severe flood-producing storms are developing. Information from both networks can be used in nowcasting and nearcasting (numerical forecasts produced with data assimilation beyond 30 minutes). Deterministic or ensemble forecasts can be used to forecast, respectively, the occurrence of (yes or no) or the probability of severe weather after model spin up. Suggested topics for this Special Issue.

(1) Studies detailing severe weather events caused by an unusual confluence of weather conditions.[...]

For further reading, please follow the link to the Special Issue Website at:

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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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