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Human and Climate Impacts on Drought Dynamics and Vulnerability

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31 May 2021

Message from the Guest Editors

In the Anthropocene, the Earth system is profoundly affected by human activities, and drought is no longer considered a natural hazard. Drought management is inefficient because feedbacks between drought and people are not fully understood. At the same time, global warming influences hydrological regimes by reducing snow storage, causing a rise in potential evapotranspiration and introducing changes in the seasonality of flow. These changes impact the frequency and magnitude of droughts causing increasing losses in many places over the world.

The Special Issue is focused on the direct and indirect causes of drought and the processes governing the transformation from meteorological to hydrological drought. In particular, the feedbacks between land use and drought propagation are of interest for the purposes of sustainable water management and drought prevention.

We encourage submission of papers aiming at understanding physical and social processes involved in evolution of drought conditions, its propagation in time and space and strategies of water resource management for enhancing drought resilience in the context of climate change.

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Special Issue

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Editor-in-Chief

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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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