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Hydrological Cycle and Land-Atmosphere Interactions: From Evapotranspiration to Precipitation

Guest Editors:

Prof. Dr. Jiangfeng Wei

School of Atmospheric Science,
Nanjing University of Information
Science & Technology, Nanjing,
China

Prof. Dr. Min-Hui Lo

Department of Atmospheric
Sciences, National Taiwan
University, Taipei, Taiwan

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Message from the Guest Editors

The moisture transport process from the surface to the atmosphere and then precipitate is one of the most uncertain segments of the hydrological cycle. It involves interactions among the land or ocean surface, atmospheric boundary layer, cloud physics, atmospheric circulation, and even atmospheric aerosols. There are many unsolved issues in the observation and modeling of these processes, and resolving them could significantly enhance our understanding of the hydrological cycle.

In this [Special Issue](#), we seek studies that investigate the facts and mechanisms related to the processes from surface evapotranspiration to precipitation. The topics covered by this Special Issue will include but not be limited to the following:

- Land–atmosphere interactions and the hydrological cycle;
- Atmospheric boundary layer processes, cloud physics, and precipitation;
- Atmospheric moisture transport and tracking;
- Impact of human activities on the hydrological cycle;
- Aerosol–cloud–climate interactions.



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Special Issue



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Dr. Jean-Luc PROBST

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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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