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Remote Sensing for Water Storage and Soil Moisture Estimates

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Deadline for manuscript submissions:
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Message from the Guest Editors

The accuracy of terrestrial water storage measurement (comprising, e.g., soil moisture, groundwater, surface water, and canopy interception) is crucial for a sufficient understanding of the terrestrial water cycle and land–atmosphere interaction. Remotely sensed terrestrial water storage (from, e.g., GRACE) and surface soil moisture (from, e.g., ASCAT, SMOS) observations with varied spatial and temporal characteristics have been successfully exploited to improve our ability to assess water resource availability and the climate/anthropogenic influence. The present challenge is the coarse spatiotemporal resolution and uncertainty of the observations. Innovative development, together with new datasets (from, e.g., GRACE-FO, Swarm, SMAP, Sentinel-1), may maximize the observations' spatial-temporal detail and accuracy. [...]

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

https://www.mdpi.com/journal/water/special_issues/remote_sensing_water_storage_soil_m

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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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