Special Issue

Inland Surface Water and Deep Learning

Message from the Guest Editors

Inland surface water occupies only a small fraction of global land surface, but it plays a critical role in the sustainability of human society and terrestrial ecosystems. The surface waters may also be at particular risk due to pressures such as unsustainable consumption, wetland drainage, land use intensification, stream diversion as well as climate change, especially in dry regions where water scarcity is becoming a major limiting factor for wildlife and humans. However, there are still noticeable gaps in our knowledge of inland surface water mainly due to the lack of effective approaches for mapping, identifying, and monitoring inland surface water. In the past decade, Earth observations have been quickly accumulating by satellite, airborne, and UAV-based instruments, providing information with unprecedented precisions at spatial and temporal dimensions.

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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.

Editor-in-Chief

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