

Special Issue

Novel Lake Water Quality Monitoring Strategies

Message from the Guest Editors

The Sentinel satellites of the European Union's Copernicus programme provide two types of satellites with instrumentation suitable for lake monitoring: The MultiSpectral Instrument (MSI) on board two Sentinel-2 satellites; The Ocean and Land Colour Instrument (OLCI) on board two Sentinel-3 satellites. The Copernicus programme will continue to launch more satellites and guarantees the availability of high quality data. These long-term data streams allow new monitoring strategies to be developed. There is a lot of heritage in the use of Earth Observation (EO) for aquatic monitoring. However, we still need better processing methods and comparison with in situ data. The development of EO applications are linked to the redesigning of water quality monitoring programs. Designing monitoring programs are clearly needed to balance the monitoring efforts and costs with sufficient and representative data collection. We invite original research papers on the use of EO data (not limited to Sentinels) for monitoring inland waters.

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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