# Special Issue

# Effect of Extreme Climate Events on Lake Ecosystems

### Message from the Guest Editors

The impacts of extreme weather events on lakes have received increasing attention in recent years. This is because the severity and frequency of such events have increased and are predicted to increase even further in the years to come due to ongoing climate change. Furthermore, advances in real-time high-resolution monitoring now make it possible to track even the short-term effects of such events. Episodic events may potentially have strong effects on lake ecosystems in the short-term and, if severe, also on the longer term. This Special Issue welcomes contributions on the effects of extreme weather events on lake ecosystems, such as change in precipitation leading, for example, to changes in nutrient and dissolved organic carbon (DOC) loading and salinity, or how heatwaves and changes in the intensity and frequency of winds affect both stratification and the biological community and processes. We also welcome contributions on how hurricanes may lead to immediate and long-lasting changes in lake ecosystems, as well as papers dealing with resistance and resilience to extreme events or showing sudden regime shifts.

### Guest Editors

Prof. Dr. Erik Jeppesen
Dr. Donald C. Pierson
Dr. Eleanor Jennings

### Deadline for manuscript submissions

closed (31 August 2020)

**Water**

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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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