Special Issue

Contribution of Carbon Dioxide from Water Bodies to the Atmosphere

Message from the Guest Editor

Currently, these ecosystems and the biodiversity they support are among the most threatened: And one of the reasons is the high release of CO2 into the atmosphere.

Large lakes, wetlands, rivers as well as springs, in some places contribute significantly to the high levels of carbon dioxide emitted.

The objective of this special issue is to evaluate and quantify the contribution of these water systems in the final CO2 output, differentiating its origins and impacts in the different regions and geological environments inserted. The international scientific community has been giving a growing importance to the study of lakes, inserted in regions with active volcanism, but sometimes forgetting the other existing water resources (springs, rivers...), as well as other wetlands located in areas without active volcanism.

Thus, as carbon dioxide (CO2) is one of the main gases released in volcanic regions, the quantification of CO2 flux from water bodies, as well as the identification of preferential degassing zones, is an emerging issue and with an impact in terms of climate change.

Guest Editor

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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

Dr. Jean-Luc PROBST
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