

Special Issue

Post-regulation River Channel Dynamics in the Course of Environmental Renaturalization

Message from the Guest Editors

Variances in river channels are the result of long-term natural and anthropogenic processes taking place across entire catchments and in the river channels themselves. The regulation of river channels consisting of their narrowing, straightening, and increasing their slope has resulted in an excessive increase in downcutting and deterioration of the ecological condition of rivers. The improvement of natural conditions in river systems comes in the form of renaturalization. Extensive research suggests that it is not possible for a fluvial system to return to its exact pre-alteration state. It is only possible to restore the natural processes leading to the restoration of riverbed systems.

The purpose of this special issue is to gather papers aiming at the identification of different aspects of channel renaturalization, with a special emphasis on spontaneous renaturalization and its possible uses. We invite authors of studies concerning entire fluvial systems or river sections, both high- and low-gradient, affected by different degrees of human impact. Manuscripts introducing new conceptual models and social acceptance of river renaturalization are of interest in this issue as well.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



Water

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Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/90772

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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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