Special Issue

Land Cover Dynamics and Geomorphic Processes in Hillslope Environments: From Data Acquisition to Modelling and Management Practices

Message from the Guest Editors

Land cover is a key factor in geomorphic processes in steep land environments. It exhibits both beneficial and adverse effects on hillslope denudation and substantially influences landscape evolution. Land cover information becomes of fundamental importance in many applications for assessing soil erosion and landslide activity at difference scales, from local to global. Apparent changes in land cover affect the accuracy of most investigations that aim to detect, observe, analyse, model, or predict geomorphic and landform-shaping processes. Such processes can alter soil properties, such as soil reinforcement and soil aggregation, causing landscape denudation, which has a strong impact on both natural ecosystems and cultivated land and leads to increasing environmental diversity and/or economic damage. This topic is of great interest, despite uncertainty and complexity, and requires accurate modeling and prediction, in particular, in the context of changing climate conditions. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Hillslope

Guest Editors

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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.

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