



Multiscale Impacts of Anthropogenic and Climate Changes on Tropical and Mediterranean Hydrology

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Message from the Guest Editors

Dear Colleagues,

In most Tropical and Mediterranean areas, landscapes, soils and territories are experiencing new vulnerabilities, facing global warming and profound changes in terms of land use. Long droughts, dry spells, rainfall intensification, and an increase in number of storms and cyclones make agriculture as well as land management and water and sediment control more difficult. In many regions, the population increase is too strong to allow cropping and rural activities to easily reach a “boserupian” behavior. The intensification of the climatic cycle commonly leads to an acceleration of the hydrological cycle, increasing the occurrence of flooding, inundation, as well as droughts and water shortages. Human actions and overall rural activity can strongly modify water runoff and infiltration, then water balance, by increasing infiltration and buffering the water cycle, or on the contrary, by increasing runoff and accelerating the water cycle.[...]

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Message from the Editor-in-Chief

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