Special Issue

Seismic Risk Assessment and Modelling alongside Coastal Territories

Message from the Guest Editors

The spatial distribution of the world population is uneven,
concentrating in coastal regions that are simultaneously prone to seismic and tsunami hazards, which expose coastal territories all over the world to acute ecological, social, and economic seismic and tsunami risks that are aggravated by climate change. Extreme events such as the
Tohoku-Oki, 2011, earthquake and tsunami contributed not only to complement the scarce databases of instrumentally recorded quantities of tsunamigenic events,
but also raise awareness of the need for integrated hazard
assessment, mitigation, and adaptation, including comprehensive planning, policymaking, engineering, and a
better understanding for the complementarity of hazards
and ecosystems. Integrated hazard assessments include
the modeling of the built environment and natural or natural-based features that can inform early warning systems and evacuation plans. Moreover, integrated risk assessments allow for the development of policies for the
mitigation of risk that minimize loss of life and economic and social impacts.

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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

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