Special Issue

Climate Model Projections: Sea-Level Rise and Impacts on Coastal Defense Decision-Making

Message from the Guest Editors

The continued rise of sea levels poses risks for millions of people in diverse groups around the world. A sound understanding of the processes contributing to future sea levels is critical for protecting population, infrastructure and other interests along the world's coasts. Estimates of coastal impacts from climate changes hinge critically on projections of future hazards, including potential changes in coastal sea levels and storm surges, as well as drivers of compound flooding such as streamflow and precipitation extremes. However, these projections are deeply uncertain. Consequently, uncertainties in the geophysical processes involved, the mathematical models used to approximate those processes and the observational data used to calibrate those models all lead to uncertainty in coastal impacts and the efficacy of strategies to manage coastal risks. Thus, careful modeling of these processes and characterization of uncertainties is critical for managing risks in coastal zones. [...]

For further reading, please follow the link to the Special Issue Website at:
www.mdpi.com/journal/water/special_issues/climate_model_projections

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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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