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Relative Sea-Level Changes and their Impact on Coastal Zones

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Message from the Guest Editors

Dear Colleagues,

In the last centuries, the study of sea-level changes along the world's shores has been a primary scientific focus in climate change studies, but also for scientists that would explore past landscape evolution, geomorphological processes, human impacts, and system responses. The relative variation in the sea level derives from the sum of global, regional, and local processes. All these processes are spatially and temporally variable and cause complex sea-level changes at both regional and local scales. A multidisciplinary approach addressed to palaeo-sea-level reconstructions at regional and local scales is the best method to understand the role of natural and anthropogenic forcing in the landscape evolution, as well as to discover the past human adaptations to natural modifications of the landscape. Recently, the integration between geo-acoustic and optical indirect methods has allowed for the high-resolution mapping of wide coastal areas and seabed morphologies by combining remote and direct data.

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Message from the Editor-in-Chief

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