



Relative Sea-Level Rise

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Message from the Guest Editors

Dear Colleagues,

Sea level rise is one of the major consequences of climate change and it is already affecting coastal communities and ecosystems around the world. However, the current rate of sea-level rise is not the same everywhere. Vertical tectonic movements and mantle dynamic topography also contribute to increase the variability in RSL change in space and time. Furthermore, a strong contributor to regional sea-level variability also, on much shorter time scales, is thermal expansion in temperate sea. If combined and added to global sea-level projections for 2100, GIA, vertical tectonic motions, thermosteric expansion, and ocean dynamics can cause large regional differences in the behavior of all of the world's coasts. Our vision for this Special Issue is to integrate traditional research methods with the use of scientific diving. The study will be focused on the relative sea-level change, utilizing, as markers, archaeological proxy, tidal notches, and beach rock measurements, plus any other viable sea-level marker, with the aim of calculating the sea-level rise during the last millennia.





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

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