



The Sea Level Impacts of Human Activities

Guest Editor:

Prof. Dr. Dork Sahagian

Department of Earth and
Environmental Sciences, Lehigh
University, Bethlehem, PA 18015,
USA

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Message from the Guest Editor

Human activities have impacted each of these sea level relations. By burning fossil fuels, compounded by deforestation, modern societies have led to climate change that has caused glacial melting as well as the warming of ocean water. The balance of these activities likely led to a masking of the true rate of sea level rise in the 20th century as measured by tide gauges, but a more robust analysis is needed before accurate projections of 21st century sea level rise can be made.

This Special Issue is directed toward assessing the state of the art of measurement, causes and consequences of human-induced sea level changes. Papers are encouraged that focus on both relative and eustatic sea level changes that have been or will be affected by human activities. On the one hand, a better understanding of the driving mechanisms will enable more robust projections of future sea level rise. On the other, assessment of the consequences regarding coastal infrastructure will elucidate potential impacts and help inform coastal zone management and adaptation in preparation for a migrating coastline, exacerbated storm impacts, and increasingly frequent flooding events.





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Editor-in-Chief

Prof. Dr. Tony Clare

School of Natural and
Environmental Sciences,
Newcastle University, Newcastle
upon Tyne NE1 7RU, UK

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, St. Alban-Anlage 66
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