



Modelling for Sustainable Marine Management

Guest Editor:

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Message from the Guest Editor

The marine world has long been seen as a vast, unchanging and inexhaustible place, available for exploitation but not requiring management of its resources. However, in recent decades it has become clear that this is no longer true if it ever was. Humanity needs sustainable methods of managing ocean resources and interacting with the ocean environment in general. Informed sustainable management requires sufficient knowledge of a system for modelling to both understand and predict how the system changes when perturbed. The special issue focuses on the modelling of the marine environment for its sustainable management, covering the full range of processes, environments, space and timescales encompassed within this field. Papers covering the modelling of sustainable marine management of climate risks, natural hazards, fisheries and marine ecosystems within the context of climate change are particularly welcomed but any topic from this wide field will be considered for publication. This special issue is particularly timely as it coincides with, and will inform, the onset of the UN's International Decade for Sustainable Ocean Science, 2021–2030.





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Prof. Dr. Marc A. Rosen

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Message from the Editor-in-Chief

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