



Technology and Methods for Environmental Monitoring of Marine Renewable Energy

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Message from the Guest Editors

A common set of recommended technologies and methods for the collection and analysis of environmental monitoring data for marine renewable energy (MRE) converters will help to increase comparability and transferability between device types and provide common ground for evaluating environmental and ecological impacts among project sites. Recently, the Pacific Northwest National Laboratory's Triton Initiative led an effort for field trials and validation testing of several monitoring technologies and methods for characterizing environmental changes (collision risk, underwater noise, electromagnetic fields, and changes in habitat) from current energy converter (CEC) and wave energy converter (WEC) testing activities at a variety of project sites. The contributions to this Special Issue will recommend technology and methods to improve efficiency and reduce costs for environmental monitoring of MRE devices based on specific field trials at open ocean, riverine, and tidal energy project sites in the U.S.





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Message from the Editor-in-Chief

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