

UNDERSTANDING marine environmental conditions such as wind, storms, waves and surges is essential for off-shore operations such as shipping or drilling, as well as coastal defence. These conditions establish the essential framework for the construction of dikes or operation of harbours. Of urgent interest is whether – and how – marine environmental conditions have changed or will change as a result of human influence on climate.

Marine Climate and Climate Change

- comprehensively describes the methods and concepts upon which modern climate change reconstructions and plausible future scenarios are built;
- describes changes in the marine environment and puts storms, storm surges, ocean waves and climate change into a common framework;
- discusses models and data problems
- provides a complete overview of the subject for the first time.



ISBN: 978-3-540-25316-7

springer.com
www.praxis-publishing.co.uk



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Storms, Wind Waves and Storm Surges

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