

Infos zu Hay, John E. (2026): Consequences of weather, climate and ocean extremes

Inhaltsangabe:

Consequences of Weather, Climate and Ocean Extremes provides comprehensive coverage of the concepts, terminology, and methods used to assess the consequences of weather, climate and ocean extremes. It goes on to assess the direct and wider impacts and risks resulting from these extremes, for both the present day and the foreseeable future. The broader implications of these findings are also considered. The book will help professionals gain an authoritative, evidence-based, and practice-relevant understanding of the way in which weather, climate and ocean extremes represent significant risks to both human and natural systems, now and in the future. It not only highlights recent advances in understanding and practice but also identifies the need and opportunities for further progress.

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1. Introduction
2. Assessing the consequences of extremes: Concepts, terminology, and methods
3. Assessing the impacts and risks of specific extremes, and the wider consequences for sectors
4. The direct consequences of weather, climate and ocean extremes
5. The wider consequences of weather, climate and ocean extremes
6. From hindsight and insights to foresights

Autoren:

John E. Hay is Adjunct Professor at the University of the South Pacific and Griffith University. He has more than 50 years of experience in academia, the private sector, and governmental organisations. His work has focused on bringing an interdisciplinary approach to the environmental sciences, and to technical- and policy-relevant assessments and guidance, especially regarding atmospheric and oceanic extremes, in the context of climate variability and change. John has worked as a consultant and advisor to many national governments and regional and international organisations. He is a recipient of the Nobel Peace Prize, awarded jointly to the Intergovernmental Panel on Climate Change (IPCC) and Al Gore, and of a prestigious fellowship from the Guggenheim Foundation.