

1. Record Nr.	UNINA9910782276103321
Titolo	Sea-level changes and their effects // editors, John Noye, Marcus Grzechnik
Pubbl/distr/stampa	Singapore ; ; River Edge, N.J. : , : World Scientific, , 2001
ISBN	1-281-96082-9 9786611960827 981-281-193-1
Descrizione fisica	1 online resource (316 pages)
Altri autori (Persone)	NoyeJohn <1930-> GrzechnikMarcus
Disciplina	551.45/8 551.458
Soggetti	Sea level Sea level - Pacific Ocean Sea level - Environmental aspects Sea level - Environmental aspects - Pacific Ocean
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Acknowledgements; Contents; 1 Sea-Level Change in the Pacific; 1. Introduction; 2. The Late Cenozoic Context; 3. Holocene Sea Levels; 4. The Last Millennium; 5. The Future; Acknowledgements; References; 2 Effects of Sea-Level Rise on the Hydrodynamics of a Coral Reef Lagoon: Kaneohe Bay Hawaii; 1. Introduction; 2. Kaneohe Bay; 3. Numerical Model of Kaneohe Bay; 4. Nature of the Wave Driven Flow Over Coral Reefs; 5. Lagoonal Current; 6. Current-Depth Coefficients; 7. Tidal Influences; 8. Discussion and Conclusion; References 3 Possible Impacts of Predicted Sea-Level Rise on South Pacific Mangroves; 1. Introduction; 2. Mangroves of the Pacific Islands; 3. Mangroves and Sea-Level Rise; 4. Conclusion; References; 4 Monitoring Sea Level: Who's monitoring the Land?; 1. Introduction; 2. Community Concerns; 3. The Pacific Project; 4. Geodetic Survey; 5. Results; 6. Information and Training; 7. The Australian Scene; 8. Future Directions; 9. Conclusion; References; 5 Relative Sea-Level Change and Geologic Corrections to South Australian Tide Gauge Records; 1. Introduction; 2.

Holocene Sea Level Variation

3. Present Sea-Level Trends; 4. Discussion and Conclusions; Acknowledgments; References; 6 Low Frequency Sea Level Variability in the Western Tropical Pacific 1992-1998; 1. Secular Trends the South Pacific Project and T/P Satellite Altimetry; 2. The Tropical Pacific Sea Level: Background; 3. The Seasonal Cycle; 4. Interannual Sea Level Changes and Trends in 1975-1998; 5. The Pacific Sea Level Variability Observed by Topex/Poseidon; 6. Discussion on ENSO Mechanisms; 7. Conclusions; 7 An Analysis of Variance in Pacific Tide Gauge Data; 1. Comparison of Collocated Gauges; 2. Low Frequency Variability at Rarotonga and Nuku'alofa; 3. References; 8 Hindcast Modelling of Recent Tsunamis in the Australian Region; 1. Introduction; 2. The Tsunami Source Model; 3. The Hydrodynamic-Numeric Model; 4. Modelled Indian Ocean Tsunamis; 5. Modelled Southern Ocean Tsunami; 6. Conclusion; References; 9 Adaptation Policies-Addressing Climate Change Impacts in the Pacific Region; 1. Introduction; 2. Understanding the Impacts of Climate Change; 3. Review of Vulnerability and Adaptation Studies; 4. Coastal Vulnerability Due to Sea-Level Rise in the Pacific; 5. Future Methodology; Adaptation Strategies for the Pacific Islands; 7. Climate Change Impacts on Coastal Management; References; Index

Sommario/riassunto

This book contains updated, reviewed versions of some selected papers on "Sea-Level Changes and their Effects" presented at the International Ocean and Atmosphere Pacific Conference (OAP 95), held in Adelaide, South Australia, 23-27 October 1995. In addition several reviewed articles on important topics not covered by the papers presented at OAP 95 were invited. The articles in this volume will find an audience among coastal developers, marine biologists and environmentalists. They cover a range of topics including the efforts of long-term sea-level rise on coastal flows and its impact on mang
