

1. Record Nr.	UNINA9910140555903321
Titolo	Understanding sea-level rise and variability [[electronic resource] /] / edited by John A. Church ... [et al.]
Pubbl/distr/stampa	Chichester, : Wiley-Blackwell, c2010
ISBN	1-4443-4077-8 1-282-65429-2 9786612654299 1-4443-2327-X 1-4443-2328-8
Descrizione fisica	1 online resource (456 p.)
Altri autori (Persone)	ChurchJohn <1951->
Disciplina	551.458
Soggetti	Sea level Oceanography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	UNDERSTANDING SEA-LEVEL RISE AND VARIABILITY; Contents; Editor Biographies; Contributors; Foreword; Acknowledgments; Abbreviations and Acronyms; 1: Introduction; 2: Impacts of and Responsesto Sea- Level Rise; 3: A First-Order Assessment of the Impact of Long-Term Trends in Extreme Sea Levels on Offshore Structures and Coastal Refineries; 4: Paleoenvironmental Records, Geophysical Modeling, and Reconstruction of Sea-Level Trends and Variability on Centennial and Longer Timescales; 5: Modern Sea-Level-Change Estimates 6: Ocean Temperature and Salinity Contributions to Global and Regional Sea-Level Change7: Cryospheric Contributions to Sea-Level Rise and Variability; 8: Terrestrial Water-Storage Contributions to Sea- Level Rise and Variability; 9: Geodetic Observations and Global Reference Frame Contributions to Understanding Sea-Level Rise and Variability; 10: Surface Mass Loading on a Dynamic Earth:Complexity and Contamination in the Geodetic Analysis of Global Sea-Level Trends; 11: Past and Future Changes in Extreme Sea Levels and Waves 12: Observing Systems Needed to Address Sea-evel Rise and

Sommario/riassunto

Understanding Sea-Level Rise and Variability identifies the major impacts of sea-level rise, presents up-to-date assessments of past sea-level change, thoroughly explores all of the factors contributing to sea-level rise, and explores how sea-level extreme events might change. It identifies what is known in each area and what research and observations are required to reduce the uncertainties in our understanding of sea-level rise so that more reliable future projections can be made. A synthesis of findings provides a concise summary of past, present and future sea-level rise and its imp
