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Autore	Aucelli Pietro
Titolo	Relative Sea-Level Changes and their Impact on Coastal Zones
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (302 p.)
Soggetti	Environmental economics Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>In the last few centuries, the study of sea-level changes along the world's shores has been a primary scientific focus in analyses of climate change, but also for scientists exploring past landscape evolution, geomorphological processes, human impacts, and system responses. The relative variation in sea level derives as a result of global, regional, and local processes. All these processes are spatially and temporally variable and cause complex sea-level changes at both regional and local scales. A multidisciplinary approach addressed to palaeo sea-level reconstructions at regional and local scale is the best method to understand the role of natural and anthropogenic forcing in the landscape evolution, as well as to discover the historical human adaptations to natural modifications of the landscape. Definitely, investigating these regional and local patterns is mandatory to reconstruct possible scenarios of the relative sea level rise impacts and to prepare the adaptation of coastal communities threatened by future climate changes. The aim of this Special Issue has been to collect contributions addressing and discussing methodological and multi-disciplinary approaches to studying the regional and local coastal modifications in relation to historical and recent relative sea-level changes to hypothesize future trends.</p>

2. Record Nr.	UNINA9910557403503321
Autore	Ferreira Tiago Miguel
Titolo	Recent Advances in the Assessment of Flood Risk in Urban Areas
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (202 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The adverse effects of flood disasters in urban areas have been increasing in severity and extent over the past years. The amount of loss resulting from these events is also increasing exponentially, particularly in highly urbanised urban areas, where the effects of intensive land use and climate change are particularly extreme-all despite that our scientific knowledge, technical competence, and computational capacity to develop highly sophisticated and accurate forecasting and simulation models are higher than ever, as is our capacity to map and analyse flood-related data. In order to tackle this global issue, it is fundamental to keep on promoting and developing fundamental and applied research that allows the better targeting of interventions to improve resilience, reduce vulnerability, and enhance recovery as well as assisting decision-makers in delivering more effective flood risk-reduction policies. This book aims to contribute to this goal by providing a space in which to share and discuss recent studies and state-of- the-art methodologies focused on the assessment and mitigation of flood risk in urban areas. It includes nine high-quality chapters authored by eminent scholars who had the tremendous generosity to join me in this editorial project. The range of topics covered by these nine studies is extraordinarily vast, reflecting the complexity of the current challenges associated with the topic.</p>