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Titolo	Engineering Geology for Society and Territory - Volume 4 : Marine and Coastal Processes // edited by Giorgio Lollino, Andrea Manconi, Jacques Locat, Yu Huang, Miquel Canals Artigas
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Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Coastal and Offshore Geodisasters -- Part II Coasts at Threat: Causes and Consequences of Coastal Settlements and Maritime Transportation -- Part III Monitoring and Measurement of Seabed Dynamic Process -- Part IV Relative Land Subsidence in Transitional Coastal Environment: Causes, Effects, Quantification, Monitoring -- Part V Submarine Mass Movements: Hazards and Risk Assessment.
Sommario/riassunto	This book is one out of 8 IAEG XII Congress volumes, and deals with the processes occurring on the coastal zone, which represents a critical interface between land and sea, as the contribution of the ocean to the provision of energy and mineral resources will likely increase in the coming decades. Several related topics fit into this volume, such as: coastal developments and infrastructures; dredging and beach re-nourishment; sediment erosion, transport, and accumulation; geohazard assessment; seafloor uses; seabed mapping; exploration and exploitation of the seafloor, of the sub-seafloor, and of marine

clean energies; and climatic and anthropogenic impacts on coastal and marine environments. Examples of specific themes are coastal management and shore protection, taking into account storm-related events and natural and anthropogenic changes in the relative sea level, planning of waste disposal, remedial works for coastal pollution, seafloor pipeline engineering, slope stability analysis, or tsunami propagation and flooding. The Engineering Geology for Society and Territory volumes of the IAEG XII Congress held in Torino from September 15-19, 2014, analyze the dynamic role of engineering geology in our changing world and build on the four main themes of the congress: environment, processes, issues, and approaches. The congress topics and subject areas of the 8 IAEG XII Congress volumes are: Climate Change and Engineering Geology Landslide Processes River Basins, Reservoir Sedimentation and Water Resources Marine and Coastal Processes Urban Geology, Sustainable Planning and Landscape Exploitation Applied Geology for Major Engineering Projects Education, Professional Ethics and Public Recognition of Engineering Geology <Preservation of Cultural Heritage.

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