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Nota di contenuto	Geoinformatics for Coastal and Marine Management / Darius Bartlett and Louis Celliers -- Mapping the Sea-Bed / Gill Scott, Xavier Monteys, David Hardy, Charise McKeown and Tommy Furey -- A GIS-based application of drainage basin analysis and geomorphometry in the submarine environment : The Gollum Canyon System, North-east Atlantic / Paul Murphy and Andy Wheeler -- Recent Developments in Remote Sensing for Coastal and Marine Applications / Melanie Luck-Vogel -- Current and Future Information and Communication Technology (ICT) Trends in Coastal and Marine Management / Dian Zhang, Noel O'Connor and Fiona Regan -- Ontologies and their Contribution to Marine and Coastal Geoinformatics Interoperability / Yassine Lassoued and Adam Leadbetter -- Applied Marine Management with Volunteered Geographic Information / Grace Goldberg, Mimi

D'Iorio and Will McLintock -- Geoinformatic Applications in Marine Management / Lauren McWhinnie and Kate Gormley -- Navigating a Sea of Data : Geoinformatics for Law Enforcement at Sea / Philip Saunders -- Geospatial Technologies and Indigenous Knowledge Systems / Shankar Aswani -- Spatial information and Ecosystem Based Management in the Marine Arctic / Tom Barry, Tom Christensen, Soffia Guðmundsdóttir, Kari Fannar Larusson, Courtney Price and Anders Mosbech -- Geospatial Technologies for Siting Coastal and Marine Renewable Infrastructures / David Green -- Geoinformatics for Fisheries Management / Tom Nishida, Kiyoshi Itoh, Albert Caton and Darius Bartlett -- Geoinformatics in Hydrography and Marine Navigation / Adam Weintrit -- The Use of Geoinformatics by the Irish Naval Service in Maritime Emergency and Security Response / Brian Mathews and Cathal Power -- Spatial Analysis Using GIS for Coastal Vulnerability Assessment / Jarbas Bonetti and Colin Woodroffe.

Sommario/riassunto

This book provides a timely and valuable assessment of the current state of the art geoinformatics tools and methods for the management of marine systems. This book focuses on the cutting-edge coverage of a wide spectrum of activities and topics such as GIS-based application of drainage basin analysis, contribution of ontology to marine management, geoinformatics in relation to fisheries management, hydrography, indigenous knowledge systems, and marine law enforcement. The authors present a comprehensive overview of the field of Geoinformatic Applications in Marine Management covering key issues and debates with specific case studies illustrating real-world applications of the GIS technology.
