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Titolo	Climate Change Countermeasures in Ports Toward Carbon Neutrality [[electronic resource]] : Empirical Analysis and Potential New Countermeasures // by Yoshihisa Sugimura
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Descrizione fisica	1 online resource (129 pages)
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Soggetti	Renewable energy sources Transportation engineering Traffic engineering Sustainability Renewable Energy Transportation Technology and Traffic Engineering
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Nota di contenuto	Part 1 Introduction to Climate Change Countermeasures in Ports -- General Introduction to Climate Change Countermeasures in Ports -- Relationship between Port Governance and Climate Change Action -- Part 2 Countermeasures for Cargo Handling Machinery -- Energy Saving and CO2 Reduction Effects by Electrification of Cargo Handling Machinery -- Cost-effectiveness Analysis of Electrification of Cargo Handling Machinery -- Part Countermeasures in Refrigerated Container Areas -- Simulation Model for Analysis of Energy Conservation by Roof Shade Installations -- Economic Analysis of Roof Shade Installation -- Part 4 New Possibilities for Climate Change Countermeasures in Ports -- Organic Carbon Containment and Creation of Blue Carbon Ecosystems through Beneficial Utilization of Dredged Soil Generated by Port Development Projects -- The Role of Ports in the Tradeoff Problem between Circular Economy and Climate Change Action: Potential for Increased Use of Secondary Raw Materials in the Copper Industry as a Climate Change Countermeasure -- Conclusion.
Sommario/riassunto	This book presents an in-depth examination of the challenges facing

the port industry in reducing CO2 emissions. Through empirical studies and real-world data, it explores the energy consumption of cargo handling machinery and reefer containers, and introduces new technologies and methods for reducing emissions. With a focus on practical application, the book provides a valuable resource for port managers and stakeholders looking to implement effective climate change countermeasures. It also serves as a valuable resource for researchers studying ports and climate change.
