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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Introduction: Shipping industry and induced air pollution -- 1.1 Potential impacts of maritime transport air emissions -- 1.2 Growing rates of shipping trade and environmental profile of maritime industry -- 2. Mitigation of air emissions: existing policy actions and legislation -- 2.1 Current environmental policies -- 2.2 Kyoto Protocol -- 2.3 Marpol Convention -- 3. Ships' emissions and air quality in port-cities -- 3.1 Current methodologies for the estimation of maritime emissions -- 3.2 Relevant studies on shipping emissions -- 3.2 Examples of estimated emissions in ports -- 4. Economic and social cost of in-port ships' emissions -- 4.1 Estimating the effects ships activities in ports to air quality and human health -- 4.2 External costs of vessel emissions in ports -- 5. Available abatement measures for the unwanted environmental impacts of ships at berth -- 5.1 Techniques of in-port emissions’ abatement -- 5.2 Potential of Shore Side Electricity in Europe -- 5.3 How ports can be converted to "green" ports?
Sommario/riassunto	The book quantifies the impact of in-port ships’ greenhouse gas emissions and air pollution in adjacent cities, and evaluates the feasibility of implementing shore-side electricity facilities in Europe to reduce the unwanted social and environmental effects of ships at berth.

The book also discusses the potential of future “green” ports and the use of shore side electricity as a means of achieving them. Individual chapters focus on the economic and social costs of in-port ships’ emissions by illustrating current environmental policies to mitigate air emissions and the available abatement measures for in-port emissions. It also discusses the external cost of vessel emissions in ports as well as the impacts on air quality and human health. Examining the expected barriers to the implementation of shore- side electricity facilities, it proposes policies to accelerate the implementation of relevant mitigation measures.