Abstract

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HOW THE SUEZ CANAL CAN CONTRIBUTE TO THE REDUCTION OF AIR POLLUTION FROM SHIPS

Title of dissertation: How the Suez Canal can contribute to the reduction of air pollution from ships Degree: MSc The continuous increase in air pollution from ships has triggered all stakeholders in the maritime industry to react. This dissertation reviews the procedures implemented by the International Maritime Organization (IMO) to limit emissions, identifies the different sources of air pollution in seaports and canals, offers means to estimate them and finally investigates if and how the Suez canal could be used to reduce these emissions. The Suez Canal has been ed due to the increase in the total number of vessels transiting over the years that induce a similar threat concerning air emissions for seaports and the importance of the Canal in international trade that could constitute a legitimate place to implement active environmental policies. In order to stress the increase of air pollution in the Suez Canal, the methodology on air emission inventory derived from the ICF consultant was used and an analysis of best practices in ports to the most appropriate solution for the Canal is also offered. The main conclusions are that container vessels are the main source of air pollution amongst the different types of vessel types, an element that is not directly reflected so far in the Suez Canal tariff system. KEY WORDS: Air pollution, environment, Suez Canal, environmental policy, air emission inventory