

Problems and Improvement Devices of Air Pollutants Management Policies in Korean Ports

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Abstract

The purpose of this study is to identify specific problems and its measures for improving the policy of air pollution prevention and management in Korean ports. To attain this goal, the study derived problems of existing policies for preventing pollution and reducing emission from air pollutants in Korean ports. Therefore, this study developed policy measures and analyzed feasibility of each measure to fundamentally overcome these problems, significantly improve and effectively manage the atmospheric environment at ports.

The main problems specified through the research was ① The lack of legal ground for supervision and management, ② The shortage of budget and finance, ③ Insufficient basic policy data, ④ Poor adoption of already verified reduction measures. Consequently, this study obtained the valid solutions by reflecting experts' review and discussion results of policy measures for improvement as well as in-depth interview with individual experts.

Keywords: *Korean ports, Air-pollution Prevention, Reduction of emission, Improvement measure in the policy*

Biography

Yong Sung Ahn is a senior researcher of the Korea Maritime Institute in Korea, heading researches and works related with Climate change issues, Ship & Ports' emission reduction and management, Smart-port design and management, etc.

He earned his Bachelor's in Architectural Engineering from Korea University in Seoul and the two master's in Economic Development and Architecture from the University of Michigan, Ann Arbor in the US. Currently, He is a PhD candidate in Korea University in Seoul.