

**ESTIMATED AIR POLLUTION FROM MARITIME TRAFFIC IN THE
PORT OF PIRAEUS**

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ABSTRACT

This paper presents the results of a research programme aimed at evaluating exhaust emissions from ships in the Piraeus harbour. The level of the various exhaust emission, such as NO_x, SO₂, smoke etc were estimated for the Central port, by using emissions factors. Hourly and daily records of all ship movements in different parts of the harbour were compiled, in order to evaluate the diurnal and seasonal variation of emissions and associated with different maritime traffic. In order to investigate the diffusion of exhaust emissions, a correlation was carried out between the estimated emissions, the measured concentrations in the area of interest, and several meteorological parameters.