

Lagos, Nigeria



The Lagos **vehicular emissions study** was initiated in mid-2007, under the management of the Lagos Metropolitan Area Transport Authority. Table below presents a summary of daily average concentrations from seven stations for the period of May'07 to Apr'08.

Main focus of this study is to update and expand vehicular emissions inventories, baseline current air quality at critical receptor sites, and recommend various strategies and measures for improvement of air quality through measures applied to the transportation sector.



Pollutant	Range	Average
TSP ($\mu\text{g}/\text{m}^3$)	89 – 860	368
PM ₁₀ ($\mu\text{g}/\text{m}^3$)	37 – 741	252
PM _{2.5} ($\mu\text{g}/\text{m}^3$)	72 – 822	162
CO (ppm)	1 – 2.4	1.9
SO ₂ (ppbv)	59 – 124	79
NO ₂ (ppbv)	27 - 465	109



SIM-air was selected for estimating current air quality impacts and gaming on various growth rate assumptions, emission rates, vehicle usage statistics by vehicle class, and various emission limits. Figure presents an overview of the current transport plan.

The **impact of industrial sector** is also under study. Lagos has ~70 percent of Nigeria's industries, with as many as 1,053 different manufacturing outfits. The local experts now have the tools and training to formulate and investigate various strategies for transport and industrial sector to improve air quality in Lagos, Nigeria