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(57) Abstract :

ENVIRONMENTAL POLLUTION MONITORING & ALERT SYSTEM IN URBAN CITIES ABSTRACT More Air is an adaptable and reasonably priced tool for monitoring city air pollution. Presented in this invention are the preliminary results that went into building the system. An integral part of it is the sensor deployment method that More Air came up with; it makes use of nomadic and mobile sensors along with medical data collected from a children's hospital. Locating cities with a high rate of respiratory diseases is one use of this data. One such distinguishing feature is the use of machine learning for outcome prediction. Public baths, public ovens, open-air street food sellers, and charity stores have a greater impact on particulate matter (PM) levels than vehicle traffic does in several neighbourhoods of Morocco, according to More Air's agile deployment technique. An urban pollution awareness campaign has been launched with the help of a geographic information system (GIS) that gives people real-time information about the air quality in various areas.

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