

# **Developing Sustainable Urban Environmental Management Strategy**

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# 1. Introduction

In the present day, three billion inhabitants, about half of the world's population now lives in cities (UN-Habitat & UNEP, 2005). By the year 2030, this population is expected to grow by 160 percent. Another striking trend is the steady increase in the number of large cities. This rapid wave of urbanization in the twentieth century has overblown the environmental impact of cities. One of the greatest challenges of rapid urbanization is how to sustain economic growth while solving environmental problems accompanying that growth. In tackling this problem however, there is no standard solution. Experience in both industrial and developing countries demonstrates that an effective approach to confronting urban environmental problems is for each city to formulate its own environmental strategy that responds to the nature and severity of its problems; given the differences in city sizes, range of environmental problems, economic complexity, government capacity to respond, and phase of urban environmental planning.

According to Bartone et al. (1994), the factors that determine the nature and severity of environmental problems as well as the type of potential intervention strategies are (1) the type of climate and regional ecosystem, (2) population size and rate of growth, (3) level of income and economic development (4) the diverse spatial dimensions of urban environmental problems that determine who is affected and how, the severity of impact, and the appropriate level of responsibility and decision making needed to solve problems, and (5) the roles and interactions of numerous public, private, and household actors who have an important effect on environmental problems and their solutions. Recognizing these factors, the aim of this study is to develop a sustainable urban environmental management strategy considering above stated principles.

## **1.1 Objective**

To analyze dimensions of environmental challenges associated with urbanization, also analyze what is required as a proactive management

approach built on an understanding of the complex interactions between development and environmental factors as it affects sustainability.

## ***1.2 Methodology***

This paper will develop a model showing the linkage between Urban Sustainability Assessment and Stakeholders, which is based on a desktop search and review of related literature on different cases of urban environmental management strategy and some countries approach. The outcome of this model will utilize a structured approach to a sustainable urban environmental management strategy.