

1.041 Towards an International Network for Monitoring, Analyzing and Forecasting Regional Air Quality.

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Abstract:

Urbanization with its concentration of population, economic activities industrial development and business has generated an increase in the atmospheric level of air pollutants with adverse effects on human health, food production and well-being. Addressing this major problem, specifically in urban areas of Asia, Latin America and Africa, requires the development of coherent measurement, analysis modeling and dissemination tools with the highest possible standards. We propose to develop and implement a global interdisciplinary network of experts in different parts of the world who will work together and develop state-of-the-art regional air quality prediction systems with downscaling and evaluation capability from the global to the regional and local scales. We invite IGAC and other international programs to sponsor and support this worldwide initiative.