

Results from System of Air Quality Forecasting And Research for Commonwealth Games-2010 Delhi



Gufran Beig¹, S.K. Sahu¹, G. Carmichael², S. N. Spak², S. Reka¹, S. Kulkarni¹, S. D. Ghude¹, K. Ali¹, L. Jalkanen³

¹ Indian Institute of Tropical Meteorology, Pune, India

² CGRES, University of Iowa, Iowa City, USA

³ GURME, World Meteorological Organization, Geneva, Switzerland

SYSTEM OF
AIR QUALITY
FORECASTING
AND
RESEARCH



What is SAFAR ?

(System of Air Quality Forecasting & Research)

FORECASTING AIR QUALITY OF TOMORROW

- **Understand the Air**
- **Reach to Public**
- **Translate Data to Useful Information**
HOW- Develop Simple ways, Symbolic Talk
- **Issue Advisories & Alerts;**
HOW- Advise on Health

Emission Campaign Summary

- **An extensive campaign for 1 yr launched with 2 day orientation workshop to generate unavailable emission activity data and to update existing data required as key for AQ forecasting for Delhi.**
- **Participation: Scientists from institutes along with 240 local students from colleges and students.**
- **Campaign completed. GIS based model applied.**
- **Emissions inventory of NO_x, CO, VOCs, PM₁₀, PM_{2.5}, BC, OC for NCR Delhi with 1.5 x1.5 km resolution developed and Scientific report prepared.**

THANK YOU

For Air Quality Online Visit:

<http://safar.tropmet.res.in/>

Contact:

beig@tropmet.res.in