Creating seamless healthy breathing spaces:

Aka

Transboundary effects of HEI

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HEI 2023
State level exposures for ambient and household air pollution

India SLDBI Collaborators *Lancet 2021*, Balakrishnan et al. *Lancet Planetary Health* 2019
17.5% of all deaths in India were attributed to air pollution

Total deaths attributable to air pollution: 1.67 million (95% UI 1.42 to 1.92 million)
0.98 million [95% UI 0.77-1.19] from ambient particulate air pollution (AAP)
0.61 million[95% UI 0.39-0.86] due to household air pollution (HAP)
Making a case for Exposure-Response in Asia: PAPA

Public Health and Air Pollution in Asia (PAPA): A Multicity Study of Short-Term Effects of Air Pollution on Mortality

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Making a case for Exposure-Response in India: PAPA
Making a case for source attributable burden: GBD MAPS India

![Graph showing average exposure and number of deaths attributable to PM$_{2.5}$ for different sources/sectors in India. The sources/sectors include Distributed Diesel, Transportation, Brick Production, Open Burning, Anthropogenic Dust, Powerplant Coal, Industrial Coal, and Residential Biomass Burning.]
NCAP
NATIONAL CLEAN AIR PROGRAMME

- Air Quality Monitoring Network
- Extensive Plantation Drive
- National Emission Inventory
- Air Information Centre

- State, City and Regional Action Plan for Non-attainment Cities
- Health Impact Studies
- Air Quality Forecasting System
- Certification system for monitoring instruments

- Intensive training & Awareness
- Capacity Building
- International Cooperation
- Source apportionment for non-attainment cities

- Network of technical Institutions
- Technology Support
- Technology Assessment Cell
- Review of Standards
Key Sectoral Interventions under NCAP

- E-mobility
- Power Sector Emissions
- Indoor Air Pollution including Clean Cooking
- Integrated Waste Management
- Transport Emissions
- Industrial Emissions
- Agricultural Emissions
- Clean construction and Road dust management
Creating Seamless Healthy Breathing Spaces

Aka
Making a difference for our future should not be matter of choice