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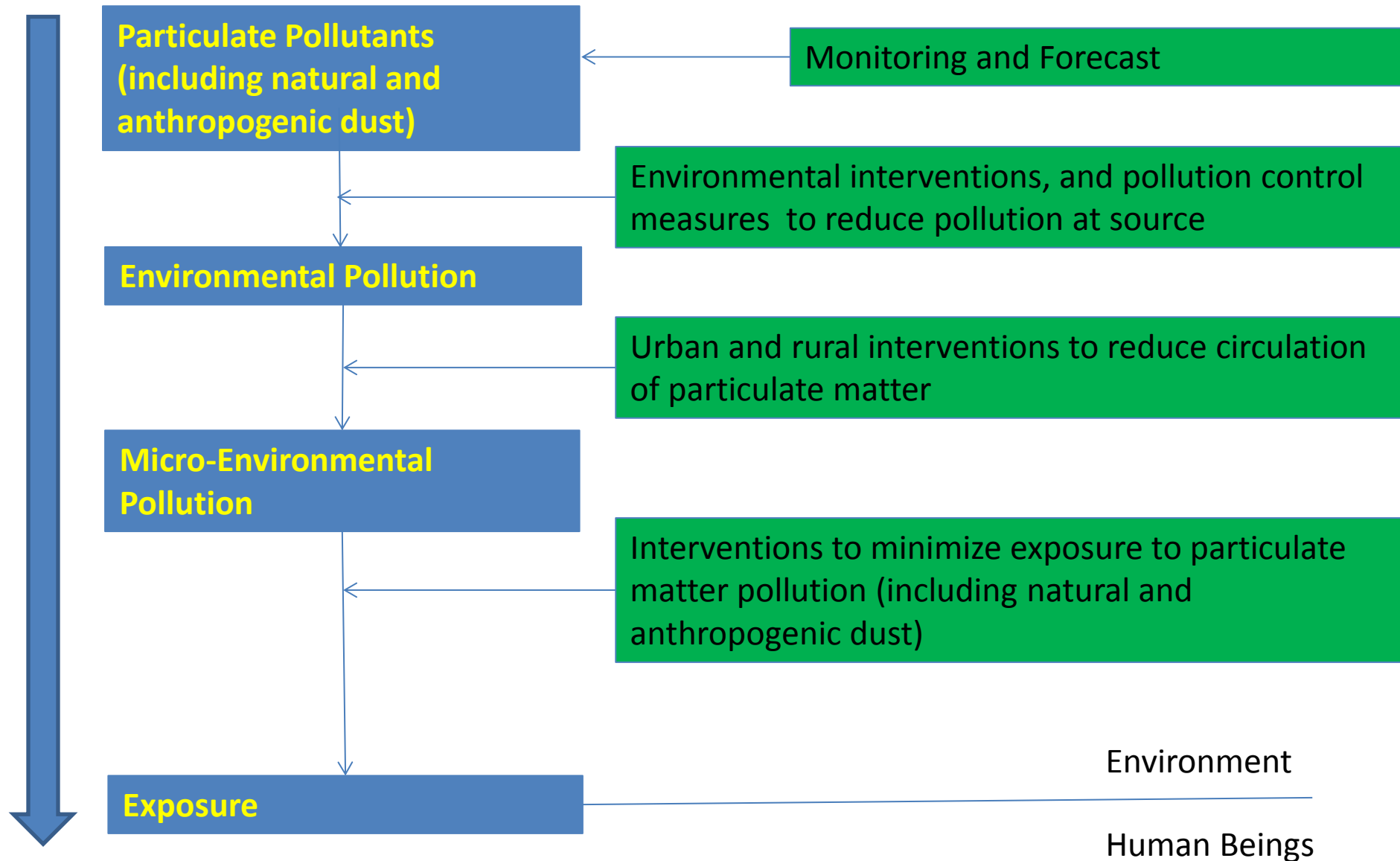
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# Interventions to Minimize Exposure to Airborne Dust Health Impacts





# Effective interventions to reduce air pollutant levels and improve public health

- Various studies to date have been conducted to summarize evidence to assess the effectiveness of air quality interventions to reduce ambient air pollution and their effects on health
- There is an ongoing systematic review of these studies (46 interventions in 67 papers): 23 Vehicular; 5 Industrial; 5 Residential; and 13 Multiple

# Monitoring, Forecast and Early Warning

- There is a need to have robust monitoring system along with forecast and early warning capacity at local levels
- There is a need to link these services with the public health and environment services

# **Environmental interventions, and PM pollution control measures to reduce pollution at source**

- Addressing natural sources is mostly medium to long in term of time, and regional to global in term of geography
- Addressing anthropogenic sources is mostly short to medium in term of time, and local to regional in term of geography
- Addressing microenvironments is essential

# Minimize exposure in the micro-environments

- At home
- At transport
- At work
- At public places
- At outdoor places

# Minimize exposure at indoor places

- Eliminate indoor sources (Smoking, candles, incense burning .....)
- Control the Indoor Air Quality????
  - Natural Ventilation
  - Mechanical Ventilation
  - Air purification







# **Reduce exposure to particulate pollutants in transport**

- Minimize travelling during sand and dust storms
- Reduce traveling during rush hour, and stay away from smoking vehicles when on the road.
- Close windows and use the air recirculation setting (close vents) if in heavy traffic,

## **Reduce exposure to particulate pollutants outdoors**

- Avoid activity outdoors when outdoor pollution levels are high. Check the current and forecasted air quality levels for your city
- When walking, jogging, biking and doing other outdoor activities, avoid areas close to sources of harmful particle pollution such as busy roads or freeways.

