## Particulate Matter

Physical Measures Particle Number Concentration (PNC) Particle Number Size Distribution (PNSD) Lung-disposable Surface Area Concentration (LDSA) Particle Shape and Morphology Particle Mass Concentration (PMx)

Chemical Measures Heavy Metals & Elemental Composition Molecular Composition Sulfate Nitrate Ammonium Chloride Water Soluble Cations Elemental Carbon Organic Carbon Polycyclic Aromatic Hydrocarbons (PAHs)

## **Gaseous pollutants**

Regulated Compounds NO2 SO2 O3 VOCs

Non-regulated Compounds NO NOx NH3 HCI HNO3 HNO2

## **Proxies and New Metrics**

Light Absorption/Extinction (e.g. "Black Carbon") Reactive Oxygen Species (ROS) Primary Biological Aerosol Particles (PBAP) Biological Effects (e.g. Macrophage Mobility Decrease)