

AEROSOL MONITORING IN THE MEGACITY OF BUENOS AIRES

■ Assess levels of key components (metals, metalloids, ions and black carbon) of PM_{2.5} collected in the metropolitan area of Buenos Aires (AMBA) along a three-point transect representative of well-mixed urban and suburban conditions for this extended air basin.

◆ Estimate the emission of aerosols originated by both natural and anthropogenic sources,

◆ Elucidate the origin of aerosols emitted and received in the air basin.

In this work we report the first results on the monitoring campaign, focused on black carbon and mass concentrations levels, and characterization by microscopy techniques.

INTERESTS: Evaluate the impact of local emissions on regional/global climate
– Emission mitigation strategies – Atmospheric transport of aerosols