Transport and Transformation of Atmospheric Key Pollutants Emanating from Megacities.

The transport of air pollution plumes produced by major population centers (MPCs) and tools needed to study it will be discussed. The main scientific question addressed is the impact of the emissions from MPCs on air pollution levels at local, regional and hemispheric scales. Black carbon, measured during EMeRGe campaign, is chosen as an example to be discussed in detail because it plays a significant role as a climate change indicator, impacts notably human health, and is well suited for transport studies.