FACOLTÀ DI SCIENZE MATEMATICHE, FISICHE E NATURALI
DIPARTIMENTO DI MATEMATICA E FISICA "NICCOLÒ TARTAGLIA"

Measurement of atmospheric particulate concentrations: potentialities and limits offered by the present available technologies

Introduce:
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Abstract

The measurement of mass concentrations of airborne particulate matter is a significant but insufficient data to understand the phenomena of dust pollution. The technology evolved by providing instrumentation that allows, among other things, the measurement of the numerical concentration of particles in many dimensional classes, in order to have information on the dimensional distribution of atmospheric particulate.

Other instruments allow the continuous measurement of some other properties connected with the origin and the chemistry of the particulates such as the Black Carbon.

All these new instruments offer new possibilities for monitoring, widening the opportunities for the knowledge of atmospheric phenomena. However, the same instruments have limitations that, if not taken into account, can compromise the correct interpretation of results and comparability between researchers and institutions.

These topics will be discussed in the seminar, bringing real experiences and case studies.

Seminario

Venerdì 31 maggio 2019
Sala Riunioni, ore 10.30-12.30
Via dei Musei 41 - Brescia

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