



Climate change and air quality Two faces of the same coin

Prof. Michela Maione

Dipartimento di Scienze Pure e Applicate
Università di Urbino

7 dicembre 2018, ore 14:00

**Area di Ingegneria
Aula N.8, via Branze 38**

Anthropogenic activities are responsible for the emission of gaseous and particulate pollutants that modify atmospheric composition. Such changes are, in turn, responsible for the degradation of air quality at the regional/local scale as well as for changes of climate. Air pollution and climate change are two intimately connected environmental issues. However, these two environmental challenges are still viewed as separate issues, which are dealt with by different science communities and within different policy frameworks. Indeed, many mitigation options offer the possibility to both improve air quality and mitigate climate change but, at the same time, mitigation options that may provide benefits to one aspect, are worsening the situation in the other. Therefore, coordinated actions taking into account the air quality-climate linkages are required. These actions need to be based on strong scientific grounds. The main fields in which such coordinated actions are needed will be examined also from a policy perspective.

Michela Maione is associate professor of Environmental Chemistry at UNIURB. Her research activity is focused on the changing composition of the atmosphere and implications on Air Quality and Climate change. She is responsible, in the frame of various international initiatives, for long-term observation programmes of climate altering species, including short-lived climate forcers and of atmospheric pollutants. She has been PI in several EC funded projects and is currently the coordinator of the EU FP7 coordination action SEFIRA (Socio-Economic implications For Individual Responses to Air

pollution policies in EU +27). In this role, she is coordinating some of the best scientific and socioeconomic resources at the interface between environmental, economic and social sciences in order to achieve a deeper understanding of the complex air quality issues, analysing individual behaviours and choices in the socio-economic context from the local to the European level. Michela Maione authored 80 publications in peer-reviewed journals and a number of book chapters and conference presentations.