

PCW7



Introduction to the analysis of air pollution health impacts using AirQ+

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Duration: half day

Background and significance: The assessment of the health impacts of air pollution is fundamental in discussing and implementing interventions and monitoring their impacts. Various software packages to assess the impacts of air pollution on mortality and morbidity have been developed over the last twenty years. Through the development of the AirQ software in the years 2001-2005, World Health Organization Regional Office for Europe (WHO) provided a functional tool useful not only for estimates of the impacts of air pollution but also to support the discussion on methodologies and the need to develop monitoring station networks. In 2016 the AirQ software was updated and expanded and WHO put AirQ+, a user-friendly software, available for download.

The general aim of this workshop is to introduce participants to the general principles of health impact assessment (HIA) and air pollution, to support the understanding of modelling air pollution health effects, and to using tools to assess impacts of air pollution, specifically the new version of AirQ+ used for hands-on exercises.

The assessment of the health impacts of air pollution is fundamental in discussing and implementing interventions and monitoring their impacts. Participants will benefit from learning the use AirQ+ including impacts on various health outcomes, use of life table analysis and production of burden estimates. Participants are invited to bring their laptops and possibly have installed AirQ+ in their computer.

Interest for the workshop

Impact assessment of air pollution through building scenarios is an important aspect for public health or environmental specialists, statisticians and epidemiologists that will attend the ISEE. The workshop introduces participants to the evolution of the knowledge about air pollution and health, as well as the principles of assessing and quantifying the impact of air pollution on population health; it will involve a practical application of AirQ+ and also discussion about communication aspects of air pollution impacts. This pre-conference workshop is supporting the main them of the conference for the importance of airs and places.

Participants number: 100