

First announcement



EUROPEAN INTERCOMPARISON FOR RECEPTOR MODELLING OF AIR POLLUTANTS

Workshop "The Use of Receptor Models in the Source Apportionment of Air Pollutants"

Date: 4-5 November 2010

Venue: European Commission - Joint Research Centre (JRC) Ispra - Italy

Organised by: European Reference Laboratory for Air Pollution (ERLAP).

Quantitative and reliable estimations of pollution sources obtained with harmonised methods could be an invaluable support for obligations under the EU Air Quality Directive 2008/50/EC (e.g. air quality assessment, action plans drafting, identification of long range/transboundary transport, etc...).

Receptor models have been extensively used for the apportionment of air pollution sources in the last three decades. They rely on mass balance analysis and statistical evaluation of chemical data obtained at the receptor site (typically PM). Despite several receptor models have been developed and adjusted, all of them present strengths and weaknesses. Many factors like size of the database, sampling methodology, time resolution, site selection, uncertainty estimation, among others, may influence the model performance.

In order to improve the comparability of results from different approaches and to constrain the output's uncertainty, ERLAP (EC- JRC- IES) organises the first European Intercomparison for Receptor Modelling of Air Pollutants.

The starting point of the Intercomparison Exercise will be the workshop "The Use of Receptor Models in the Source Apportionment of Air Pollutants".

During the workshop experts from different European research groups will gather to unravel the controversial aspects of receptor models with the aim of agreeing common criteria for carrying out and evaluating source identification with this methodology.

Keynote speaker:

Professor Philip K. Hopke
Director, Center for the Environment, and
Director, Center for Air Resources Engineering and Science
Clarkson University (NY)

Those experts interested in participating in the Intercomparison Exercise are kindly asked to send their Expression of Interest to:

Claudio A. Belis
European Commission - Joint Research Centre
Institute for Environment and Sustainability
European Reference Laboratory for Air Pollution
Phone +39 0332 786644 Fax 785236
E-mail: claudio.belis@jrc.ec.europa.eu

