16 March 2011

Request for information on established and new measurement technologies for air quality monitoring.

Information will be reviewed in view of current and new instrumentation for air quality monitoring to set directions for future network infrastructure purchases and monitoring strategies in Europe.

Dear Madam, Sir,

Ambient Air Quality (AQ) is a major issue of concern in Europe, particularly in the urban environment. Thus, monitoring of air pollution levels is an important task for EU Member States to demonstrate compliance with air quality limit values set by the respective EU directives and to assure that mitigation measures are effective. The AQ monitoring networks operated by the member states are challenged with continuously increasing quality assurance and quality control (QA/QC) demands both with respect to existing and emerging monitoring technologies.

AirMonTech (www.airmontech.eu) is an EU Coordination and Support Action funded under the EU Seventh Framework Programme initiated to handle and to give advice to the above mentioned tasks. The project's objectives are to provide relevant information to network operators and stakeholders on currently used as well as recently developed AQ monitoring technologies, to identify future needs for improvement of the AQ monitoring networks, and to give advice on a corresponding research road map. The results of the project are expected to provide important input to the revision of the EU AQ directives foreseen to start in 2013.

An important task of AirMonTech is to compile information on the performance of available instruments for measurements of regulated air pollutants and to provide guidance for the optimal use of the available technologies. For this purpose, the AirMonTech database will collect information on measurement techniques, instrumentation, type approval, equivalence tests and standard operating procedures and make them accessible to the AQ community. The data base will be designed, set up and operated by the European Joint Research Centre (JRC) in Ispra (I).

With regard to novel and innovative air quality monitoring instruments information on their technical features, possibilities and limitations and on inter-comparison study results will be gathered. This data will be put together in a broader view to outline possible future directions to go in air quality monitoring, particularly to better link measurements to health effects in urban environments.

With this letter we therefore ask you **to provide us with three types of documents** that may be available for the instruments produced or developed by your company:

1 **Type approval reports:** this predominantly regards established instruments for regulated pollutants already used in the monitoring networks. Please provide full reports, if possible. There might be cases where the manufacturer would like to suppress confidential technical descriptions, but the results of the required performance tests according to EN ISO 9169 should be complete.

2 **Equivalence test reports:** this mainly regards automated instruments for PM mass concentration measurements. We ask for reports which describe either full equivalence tests or other comprehensive comparison measurements of PM10 or PM2.5 monitors with the manual gravimetric reference methods.

3 **Technical specification sheets, application examples and intercomparison results:** for those instruments measuring non-regulated pollutants or using novel, not-yet established technologies for regulated pollutants. We would be grateful for further receiving information on networks or research groups using your instruments as well as scientific references.

If any documents as specified before are available at your company (in English if available or in any other language) we would highly appreciate to get a copy (Office formats or PDF).

The documents should be sent **(preferably in electronic form and before 30 April 2011)** to both of the following addresses:

- EMPA Ueberlandstrasse 129, CH-8600 Duebendorf, Switzerland, c/o Dr. Robert Gehrig robert.gehrig@empa.ch,
  and
- IUTA e.V. Bliersheimer Str. 60, 47229 Duisburg, Germany, c/o Dr. Ulrich Quass quass@iuta.de

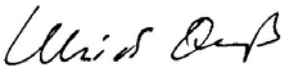
A successful outcome of the AirMonTech project can only be achieved if the entire European air quality community is actively involved. Therefore, your cooperation and contribution is strongly needed and highly appreciated.

Thank you in advance for your valuable cooperation.

Best regards

On behalf of the AirMonTech consortium

Robert Gehrig EMPA



Ulrich Quass iuta