



Particles and Photo-oxidants in Europe

Conference and Exhibition

Final Programme

Arranged by the Automation and Analytical Management Group
Royal Society of Chemistry, UK

Co-sponsored by Czech Hydro-Meteorological Institute (CHMI) Czech Republic

In cooperation with:

National Air Quality Reference Laboratories (AQUILA)

DG Environment, European Commission, Brussels, Belgium

DG Joint Research, Centre European Commission, Ispra, Italy

Department for Environment, Food and Rural Affairs (DEFRA), UK

Landesamt für Natur, Umwelt und Verbraucherschutz NRW (LANUV), Germany

National Physical Laboratory (NPL), Teddington, UK

Netherlands Measurement Institute (NMI), Delft, Netherlands

Tuesday 25th, Wednesday 26th September 2007

At the Národní dům Conference Centre

Prague
Czech Republic

Email: conference@aamg-rsc.org

Web site: www.aamg-rsc.org

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Tuesday 25th and Wednesday 26th September 2007
Národní dům Conference Centre, Prague

Introduction

Recent years have seen an unprecedented number of important developments relating to the monitoring of ambient air in Europe and in particular in the area of particulate monitoring. The year 2007 will see the implementation of the new Directive on ambient air quality and cleaner air for Europe. This year will also see the acceptance of the new standard for the monitoring of polycyclic aromatic hydrocarbons (PAHs) in ambient air. Work is in progress on the development of standards for mercury, and the deposition of PAHs and work will also start this year on an updated standard for PM₁₀.

It seems appropriate that we should now bring together the key people in legislation, health and in the analytical field, who are involved in these developments to provide an up-to-date and authoritative overview.

This conference will create an opportunity to present recent developments in monitoring strategies, requirements and analytical techniques to industry, the scientific community and public authorities. Delegates can expect papers covering the monitoring of the major particulates involved and their effects on air quality in the rural and urban environment will be discussed.

The conference will be of interest to industrial, public health and environmental chemists who are involved in ambient air monitoring and in environmental and health studies.

Programme

Day One

09.00 Coffee

Session 1: Introduction and European Perspective

Chairman: Peter Bruckmann, LANUV, Essen, Germany

09.30 Welcome and Introduction to the Conference by Karel Blaha
Deputy Minister of Environment, Czech Republic

09.35 Clean Air for Europe (CAFE) and the Thematic Strategy on Air Pollution
Marion Wichmann-Fiebig, UBA, Berlin, Germany

10.05 The New Air Quality Directive and the Commission's Perspective
Speaker to be announced DG Environment, European Commission, Belgium

10.35 Quantification and Valuation of Health – implications for policy.
Paul Watkiss, AEA, Didcot, UK

11.05 Coffee

11.30 Implementation of Exposure Reduction
Janet Dixon, DEFRA, London, UK

12.00 European Network of Air Quality Reference Laboratories (AQUILA)
AQUILA Chairpersons, Peter Woods, Annette Borowiak, Marina Froehlich, Andrej Kobe, and Uli Pfeffer

12.30 Health Effects of Air Pollution
Michal Krzyzanowski, WHO European Centre for Environment and Health, Bonn, Germany

13.00 Lunch

Session 2: Practical Measurement and QA/QC Issues

Chairman: Andrej Kobe, DG Environment, European Commission, Belgium

14.00 Standard Methods for AQ Measurements – CEN standards and type approval
Kevin Saunders, KERIS Ltd, Heckfield, UK

14.30 The Role of JRC in Harmonising European Air Quality
Michel Gerboles, JRC, Ispra, Italy

- 15:00 PM Measurement and Air Quality Management to Improve Air Quality in Moravian-Silesian Region, Czech Republic
Libor Cernikovsky and Blanka Krejci, CHMI; Milan Machac, Moravian-Silesian Regional Authority.
- 15:30 Coffee/tea
- 16:00 Real Time Data Validation Techniques
Gary Fuller, Kings College, London, UK
- 16:30 The National Approach to QA/QC in France
Francois Mathe and Oliver Le Binhan, Ecole des Mines, Douai, France
- 17:00 The National Approach to QA/QC in Germany
Ulrich Pfeffer LANUV, Essen, Germany
- 17:30 to 19:00 Wine and cheese reception in the exhibition rooms

Day Two

Session 3: The Particle Debate

Chairman: Peter Woods, NPL, Teddington, UK

- 09:00 PM – an Overview
Theo Hafkenscheid, NMI, Delft, Netherlands
- 09:30 Developments in CEN PM Standards
Paul Quincey, NPL, Teddington, UK
- 10:00 Source Apportionment for PM
Thomas Kuhlbusch, IUTaE.V. University of Duisburg-Essen, Germany
- 10:30 Coffee
- 11:00 PM Measurements in Switzerland
Robert Gehrig, EMPA, Dübendorf, Switzerland
- 11:30 JRC PM Harmonisation Work
Luisa Marelli, JRC, Ispra, Italy
- 12:00 A Canadian Perspective on Particulate Measurement Issues
Ken Stubbs, GVRD, Burnaby B.C. Canada
- 12:30 Lunch

Session 4: Photo-oxidants and Speciation

Chairman: Josef Keder, CHMI, Prague, Czech Republic

- 13:30 Increasing Importance of Primary Nitrogen Dioxide Emissions
David Carslaw, University of Leeds, Leeds, UK
- 14:00 Diffusive Methods for sampling NO, NO₂ and Ozone
Markus Hangartner, passam ag, Switzerland
- 14:30 Coffee/tea
- 15:00 Monitoring of PAH's, Heavy Metals and Mercury
Dieter Gladke, LANUV, Essen, Germany
- 15:30 Modelling Ozone
Dick Derwent, RD Scientific, Newbury, UK
- 16:00 Panel discussion, Outstanding Issues, - the way forward
Panel chairman, Peter Bruckmann
- Reports presented by session chairmen**
- 17:00 Close of meeting

Posters

Poster presentations relating to the theme of the conference are invited
Contact: conference@aamg-rsc.org

REGISTRATION FORM

Please complete this form after referring to the Registration Information and return by
Post Or Fax to:

AAMG-RSC, PO Box 174, Manchester, M24 4XZ, UK
Fax No: +44 (0) 161 610 3939

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Tuesday 25th and Wednesday 26th September 2007

Delegate's Name & Title

Position

Organisation

Address

..... Post Code

Telephone No Fax No

Email

Special Requirements

Signature

Registration Fee: £250

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How to Register

Early registration is requested due to space and catering requirements.
Please complete and return the registration form as soon as possible.

Registration Fees: £250

The registration fee includes attendance at the conference together with coffee, lunch, afternoon tea/coffee and attendance at the wine and cheese reception.

Payment of registration fees:

- By Cheque or Money Order made payable to: **AAMG-RSC**
- By Credit Card (note that AMEX and DINERS cards not accepted)
- By Bank Transfer (BACS)

Venue

Národní dům Conference Centre, KDŽ s.r.o.
Náměstí Míru 9, 120 53 Prague 2 – Vinohrady, Czech Republic
Web: www.nardum.cz

Maps and details will be provided upon registration.

Registration Contact

Conference Secretary, AAMG-RSC, P O Box 174, Manchester M24 4XZ, UK
Email: conference@aamg-rsc.org Fax: +44 (0) 161 610 3939

AAMG Treasurer (contact for banking information)

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Notes

1. Fees are not normally refundable but are transferable. If for any reason the organisers should cancel the conference then fees will be refunded.
2. The registration fee includes attendance at the meeting together with coffee, lunch and afternoon tea/coffee, as appropriate.
3. The organisers reserve the right to alter the programme.

Data Protection Act. The information on this form will be retained (1) for the purpose of administering this meeting, in particular for producing a list of participants for distribution at the meeting, and (2) in order that information on future meetings can be sent to you.

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