

**FINAL PROGRAMME**

**Workshop on Environment and Health:  
EVALUATING EUROPEAN AIR QUALITY RESEARCH AND  
TRANSLATING PRIORITIES INTO ACTIONS**

**19-20 January 2009**

Organised by CONCAWE<sup>1</sup>

<b>Monday 19 January (Day 1 of 2)</b>		
12:00	<b>Registration Starts - Posters Displayed - Lunch</b>	
12.45	<b>Opening Session</b>	
	Welcome	<b>Panos E. Cavoulacos</b> , Chairman, CONCAWE Board of Directors, Belgium
13:00	<b>Background &amp; Task Description</b>	
	Workshop Task Headline: How to evaluate European air quality health research and translate priorities into actions	<b>Dan Krewski</b> , University of Ottawa, Canada <i>Workshop Chair</i>
	Introduction to Workshop Process	Diana Parry & Min-Min Teh, Facilitator's Overview
13:20	<b>Current Research Programmes</b>	
	Community-funded research on air pollution and health	<b>Tuomo Karjalainen</b> , European Commission RTD, Belgium
	Current WHO assessments of health aspects of air quality	<b>Michal Krzyzanowski</b> , WHO/ECEH Bonn, Germany
	Building a Roadmap for Environment and Health Research - Experience from the US Health Effects Institute and Environmental Protection Agency	<b>Dan Greenbaum</b> , Health Effects Institute, USA
14.20	<b>Session 1: Pollutants and Human Health Effects</b>	
	Addressing data uncertainties & opportunities for researchers	<b>Bert Brunekreef</b> , IRAS, University Utrecht, The Netherlands <i>Session Chair</i>
	Pollutants and human health effects	<b>Ross Anderson</b> , St. George's, University of London, UK
	The effects of particulate goes beyond the lung: changes on vascular and brain function in man	<b>Flemming Cassee</b> , RIVM, The Netherlands
15:20	<b>Briefing of Working Group (WG) Discussions</b>	
15:30	<b>Coffee Break</b>	
15:45	Building a Roadmap WG I: Participant discussions regarding Pollutants and Health Effects	Task Headline: How to develop relevant health-effects data to inform the policy decision-making process.
16.45	<b>Session 2: Pollutant Metrics</b>	
	Health effects of combustion-derived nanoparticles: Particle toxicity as a product of oxidative potency and metabolic activation of organic compounds	<b>Tobias Stöger</b> , Helmholtz Institute for Inhalation Biology, Germany <i>Session Chair</i>
	Particulate Matter (PM) mass concentrations: The way to proceed?	<b>Thomas Kuhlbusch</b> , IUTA, Germany
	Metrics for Particulate Matter (PM): Uncertainties & Opportunities for Researchers	<b>Constantinos Sioutas</b> , USC, Particle Center, USA
17:45	<b>Break</b>	
18:00	Building a Roadmap WG II: Participant discussions regarding Pollutant Metrics	Task Headline: How to establish appropriate pollutant metrics relevant to health (what is ideal even if we cannot measure it yet).
19:00	<b>Poster Session I &amp; Cocktails</b>	
	Poster Session I : Climate Change, Air Quality and Health Effects Research	<b>Carlo La Vecchia</b> , Mario Negri, Italy <i>Session Chair</i> Task Headline: How to integrate air pollution and climate change research actions to address appropriate health effects
19:50	Summary of Poster Content	
20.00	<b>Dinner</b>	

<sup>1</sup> With contribution from the European Commission's DG Research and session Chairs to the elaboration of the agenda  
<sup>2</sup> search REPORT "5/07" at <http://www.concawe.org/Content/Default.asp?PageID=31>

<b>Tuesday 20 January (Day 2 of 2)</b>		
08.30	<b>Recap Day One and Opening Day Two</b>	Workshop Chair: <b>Dan Krewski</b> , University of Ottawa, Canada
08.45	<b>Session 3: Role of Research on Mechanisms of Action in Air Quality Management</b>	
	Role of Mechanism Research in Facilitating Multi-pollutant Air Quality Management	<b>Joe Mauderly</b> , LRRRI / NERC, USA <i>Session Chair</i>
	The Central Nervous System as a Target for Inhaled Air Pollutants	<b>Alison Elder</b> , University of Rochester, USA
	Toxicity testing of multi-pollutant atmospheres	<b>Ian Gilmour</b> , University of North Carolina, USA
09:45	<b>Coffee Break</b>	
10:00	Building a Roadmap WG III: Participant discussions regarding Toxic Action	Task Headline: How to better understand mechanisms of action to help air quality management in a multi-pollutant world.
11.00	<b>Poster Session II</b>	
	Poster Session II.a. (concurrent) Lifecycle analysis of fuels (focus on combustion of biofuels & health)	<b>Flemming Cassee</b> , RIVM, The Netherlands <i>Session Chair</i> Task Headline: How to do hazard/risk screening for (combustion of) fuels (including fuels containing bio-materials)
	Poster Session II.b. (concurrent) Accountability research	<b>Selahattin İncecik</b> , Technical University of Istanbul, Turkey <i>Session Chair</i> Task Headline: How to provide evidence that air quality regulations and policies improve public health
11:45	Summary of Poster Content	
12.00	<b>Lunch</b>	
12.45	<b>Straw Person Roadmap for Research</b>	
	Proposed roadmap incorporating and integrating suggested actions and discussions up to Session 3	<b>Dan Krewski</b> , University of Ottawa, Canada <i>Workshop Chair</i>
13.05	<b>Session 4: Structuring Research to Inform Policy Development</b>	
	Addressing uncertainties & opportunities	<b>Fintan Hurley</b> , IOM, UK <i>Session Chair</i>
	A policy perspective on scientific uncertainties	<b>Les White</b> , Les White Associates, UK
	Research needs for cost-benefit analysis and health impact assessment	<b>Heather Walton</b> , Health Protection Agency, UK
	Accountability research	<b>Robert O'Keefe</b> , Health Effects Institute, USA
14:15	<b>Break</b>	
14:30	Building a Roadmap WG IV: Participant discussions regarding Research to Inform Policy	Task Headline: How to structure research programmes to inform the development of policy.
15:30	<b>Synthesis and Closing Session</b>	
	Workshop Synthesis, Actions and Next Steps	<b>Paolo Boffetta</b> , IARC, France <i>Workshop Synthesis Team</i>  <b>Dan Krewski</b> , University of Ottawa, Canada <i>Workshop Chair</i>
16.00	<b>Close and Coffee</b>	

<sup>1</sup> With contribution from the European Commission's DG Research and session Chairs to the elaboration of the agenda

## *ANNOUNCEMENT*

### **Workshop on Environment and Health: Evaluating European Air Quality Research and Translating Priorities into Actions**

Organised by CONCAWE<sup>1</sup>

19-20 January 2009  
Brussels, Belgium  
Bedford Hotel

#### Workshop objectives

The world around us has an important influence on our health. Many conditions – from asthma and allergies to new infectious and emerging diseases – have been linked in some way to the environment. Studies have shown that environmental pollutants, food contaminants, noise, and issues like climate change, can all affect our well-being. The EU has been at the forefront of research in this area, expanding our knowledge of the complex links between environmental risk factors and their effects on the health of individuals and populations. The European Environment and Health Action Plan (2004-2010) has urged Europe to integrate its expertise in the environment, health and research sectors.

Several of the next milestones in the environment and health process in Europe include the WHO fifth ministerial conference on environment and health in 2010, a review of the Thematic Strategy on Air Pollution in 2010 and the next evaluation of the air quality directive in 2013, a potential second phase of the European Environment and Health Action Plan after 2010, and calls for research proposals and financing of selected projects in the Seventh Framework Programme of Research and Technological Development (FP7) of the European Union.

CONCAWE is pleased to sponsor this international workshop that is being organised to look at the current state of scientific knowledge and propose a forward looking roadmap for the development of priorities, emerging challenges and opportunities into policy-relevant research regarding air quality health effects.

The workshop is expected to foster an international and multidisciplinary approach to:

- Identify, discuss and debate key policy-relevant research needs & opportunities;
- Prioritize the research needs and identify timelines;
- Propose a roadmap for establishing research actions to be taken to meet these timelines.

#### Who should attend?

Researchers from academia and research and public health institutions; industry experts and other stakeholders; International organisations involved in research funding and policy making, National policy makers and advisors, non-governmental organisations, etc... The intent is to hold an open and international, multidisciplinary workshop.

---

<sup>1</sup> With contribution from the European Commission's DG Research and session Chairs to the elaboration of the agenda

## Workshop programme

This workshop is a follow-up from the 2007 CONCAWE Workshop<sup>2</sup> In the 2009 workshop, we will help to propose a roadmap for developing policy-relevant research actions.

A detailed programme is attached. Key task headlines are:

- How to develop health research actions that best support air quality management decision-making in a multi-pollutant world with limited research resources;
- How to develop relevant health-effects data to inform the policy decision-making process;
- How to establish appropriate pollutant metrics relevant to health (what is ideal even if we cannot measure it yet);
- How to integrate air pollution and climate change research actions to address appropriate health effects;
- How to do hazard/risk screening for (combustion of) biofuels;
- How to provide evidence that air quality regulations and policies improve public health;
- How to understand underlying mechanisms of action of pollutants impacting health;
- How to account for health benefits in cost-benefit analyses;
- And overall, how to evaluate European air quality and health research and translate priorities into actions.

## Workshop format

The workshop will be highly interactive. Sessions will include presentations and posters by researchers from academia and public health institutes. Interaction through a work group format will provide ample opportunity for participants to exchange views and opinions.

Poster session focus areas:

- 1 Climate Change & Health: How to integrate air pollution and climate change research actions to address appropriate health effects;
- 2 Vehicle Emissions & Health: How to do hazard/risk screening for (combustion of) fuels (including fuels containing bio-materials);
- 3 Accountability Research: How to provide evidence that air quality regulations and policies improve public health.

## Workshop output

Recommendations formulated by participants will be collated in a report that will be made available to participants and other interested stakeholders.

## Venue & hotel accommodation

The workshop will be held at the Bedford Hotel, Rue du Midi 135, B – 1000 Brussels. The workshop will start with a sandwich lunch at 12h00 on Monday, 19 January 2009 and end at 16h00 on Tuesday, 20 January 2009.

---

<sup>1</sup> With contribution from the European Commission's DG Research and session Chairs to the elaboration of the agenda

We have made a block booking at the special rate of € 129 (single room including breakfast) for the night of 19 January at the Bedford Hotel where the workshop is being held. A small number of rooms are also being held for the nights before and after the workshop, so additional nights can also be booked on the basis of availability. We have arranged for the bookings to be handled by Resotel and a separate booking form is attached for your convenience.

### Registration

For registration, please complete the form attached to this email. If you have already registered, there is no need to register again. There is no registration fee.

Please let us know if you would like to contribute (a) poster(s), including the title and for which focus area (i.e., #1, #2, or #3 as noted in “Workshop Format” above). For your information, the size of the poster boards are 2 meters (height) x 1 meter (width). For planning purposes, please let us know if your poster does not fit these dimensions. Please provide a title and abstract for your poster when you register for the workshop.

### Further information:

Gary Minsavage, PhD, DABT  
Technical Coordinator, Health  
CONCAWE ( [www.concawe.org](http://www.concawe.org) )  
Boulevard du Souverain 165  
B-1160 Brussels

Phone: +32-2-566.91.63

Fax: +32-2-566.91.81

Mobile: +32-495.26.14.35

E-mail: [gary.minsavage@concawe.org](mailto:gary.minsavage@concawe.org)

---

<sup>1</sup> With contribution from the European Commission’s DG Research and session Chairs to the elaboration of the agenda