



World Congress Update

Issue 1 - February 2010

**The International Union of Air Pollution Prevention and Environmental Protection Associations
IUAPPA World Clean Air Congress • 12-16 September 2010 • Vancouver - Canada**

Why Vancouver Should Not be Missed...

When, several years ago, IUAPPA chose ***Achieving Environmental Sustainability in a Resource Hungry World***, as the theme for the 15th World Congress, few of us could have anticipated how relevant and topical it would become.

By the time we gather in Vancouver it might not be any surprise that the World's population will have risen by two billion in the previous quarter century - but the realisation that it is still not expected to begin to stabilise before 2080 certainly should. Some of us could have anticipated how fundamentally climate change would begin to impact on the water cycle and global energy supplies, but few could have anticipated the momentum these changes have now gained. Even those who anticipated the Gadarene rush by major powers to control and exploit the energy and mineral resources of the smaller African and Latin American countries could hardly have anticipated its speed. And who could have anticipated that the 2010 World Congress would be held against the background of an epoch-making financial upheaval?

So we go to Vancouver with the knowledge that few meetings could have a more timely and compelling theme.

Within this dramatically new landscape, what will emerge as the key issues? Some already seem clear:

After Copenhagen: Picking up the Pieces

Following the failure to deliver any significant progress in the control of CO2 emissions, what can be done meantime to reduce air pollutants such as ozone and black carbon, which not only damage health but also contribute substantially to Global Warming? (*cont...*)



Vancouver from the Air

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Imminent Date

Abstract Submission Deadline
12 March 2010

Dates to remember

Author Notifications
1 May 2010

Final Paper Deadline
30 July 2010

Conference Early Registration Deadline
17 August 2010

World Clean Air Congress
12 - 16 September 2010

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Food Security

As food security becomes a more pressing issue, the damage from air pollutants - particularly ozone - to crop yields demands attention.

The Global Imbalance in Air Pollution Problems and Abatement Capacity

Skills and resources for addressing air pollution remain concentrated where the problems are least. Improving the balance should be a continuing priority.

Diffusion of Technology

Even in developed countries, the increase in vehicle numbers is offsetting emission reductions from new technology. How do we speed technological change, or - more feasibly - ensure that its benefits are diffused more quickly?

Cost Effectiveness and Value for Money

The traditional focus on pollution 'hotspots' is being questioned in the face of evidence that broader exposure reduction strategies can yield greater health benefits. Are our policies on the right track?

Bio-Diversity

2010 is the International Year for Bio-Diversity - and air quality is a major determinant of biodiversity. We have to play our part.

So in 2010 the case for attending the World Congress is not just to help us as professionals to keep up to date in our specialist field. It is that by the time the trends described above have run their course, they are likely to have changed utterly the context within which each of us is working.



Harmony Lake, Whistler, in the Summer



Whistler Mountain Inuksuk

BLACK CARBON AND GLOBAL ATMOSPHERIC GOVERNANCE EMERGING AS KEY THEMES

In addition to the wide range of scientific and technical issues, two broad international themes are coming to the fore in the preparation for the Congress.

The first is Black Carbon. Its combined impact on health at local level and climate at the regional scale is an increasingly prominent and controversial issue. The Congress will feature a report on emerging conclusions from one of the leaders of the UNEP Global Assessment of Black Carbon and Ozone expected to be published later in the year.

The second is global atmospheric governance in the wake of the disappointing outcome to the Copenhagen COP, and the increasing need for more effective international regulation of air pollutants at regional, hemispheric and global scale. Here the Global Atmospheric Pollution Forum and the European Federation for Clean Air will be leading major sessions on integrated climate and air pollution strategies, and looking at new long-term options for advancing global atmospheric governance.

Update on the Programme

In less than a year, the 15th World Clean Air Congress will be held in Vancouver, Canada from 12 to 16 September (www.iuappa2010.com). The 2010 IUAPPA World Congress theme of Achieving Environmental Sustainability in a Resource Hungry World recognises the need for holistic management approaches to effectively mitigate potential water, food, energy, and environmental challenges. This Congress will bring together specialists from academia, industry, consulting, environmental advocacy groups, and government to present innovative ways to improve air quality, reduce greenhouse gas emissions, and minimise environmental impacts. The programme will examine international, national and local-scale issues facing both emerging and developed economies and will be organised along four main tracks - sustainability, science, policy and industry. Each of the four days of the meeting's technical programme will be kicked-off by a plenary speaker discussing issues and solutions related to one of the tracks. We will then break out into more traditional platform and poster sessions.

Listed below are topics included in the call for abstracts (http://www.awma.org/IUAPPA/IUAPPA_CallForAbstracts1_rev2.pdf). It should be noted that some of these topics could be covered in a single session, while others would involve multiple sessions. Suggestions for additional topical areas are welcomed (you can contact me at Alan.Gertler@dri.edu). I encourage you to submit an abstract, solicit abstracts from others, and inform your colleagues about the Congress.

As in the past, the Congress will also include a number of key IUAPPA seminar programmes and sessions.

One difference, however, is these sessions will be integrated into the Technical Programme, as opposed to having them run in a separate, parallel track. This will enable delegates to take advantage of the opportunity to participate in both the special IUAPPA programs and the Congress technical programme. Proposed sessions include:

- Key Issues in Air and Environment Policy: An Inter-Continental Dialogue
- Transport and Environment in Mega-Cities: Greener Transport in a Post-recession World?

In conjunction with the technical programme, we are planning to offer a series of professional training courses on Sunday, 12 September. The half and full day courses are:

- Greenhouse Gas Inventories
- Greenhouse Gas Management
- AERMOD Atmospheric Dispersion Modelling
- Exposure and Risk Assessment
- Receptor Modelling

In addition to the scientific aspects of the Congress, we're hoping you will take advantage of your trip to Vancouver to experience the unique nature of the city and natural beauty of the region. Vancouver is recognised as one of the world's most livable cities, renowned for its innovative programs and leadership in sustainability, accessibility and inclusivity. We also encourage delegates to take pre- or post- conference day trips to the picturesque resort area of Whistler or a late season cruise to Alaska.

Topics included in the Call for Abstracts

Sustainability

- Sustainable transport and development
- Renewable energy
- Life cycle assessment
- Impact of climate change on food and energy resources
- Social impacts of pollutants
- Public engagement
- Novel approaches to address global change impacts
- Waste management

Policy

- Co-benefit strategies
- Risk assessment and exposure
- Developing world regulatory issues
- Greenhouse gas assessment
- African vs. Asian initiatives
- Economic implications of environmental policies
- Land use and transportation policy
- Novel approaches to environmental regulation

Science

- Ambient monitoring and field studies
- Air quality and meteorological modelling
- Emissions and inventory development
- Regional air quality issues
- Urban air quality issues
- Measurement and analytical methods
- Indoor air quality
- Climate change impacts

Industry

- Compliance issues
- Monitoring and assessment
- Control technologies
- Shipping and port impacts
- Distributed power
- Issues impacting businesses
- Pollution prevention
- Sustainable production