Towards the end of the year, the Global Atmospheric Pollution Forum, with the support of the Swedish Co-operative International Development Agency, will be holding a major international conference – probably in Shanghai – on Co-Benefits of pollution abatement and CO₂ reduction, with particular reference to the needs of developing regions. This will be a major event on a critical issue, and other members of the forum will be looking to IUAPPA, as its founding member, to play a full part.

Under the theme ‘Future Transport Technology for a Carbon Constrained, Energy Hungry World’ the Brisbane session of our Seminar Programme on Air Quality and Vehicle Emissions in Mega-Cities reviewed the conclusions and implications from earlier meetings and explored possible future directions. Plans for the next seminar – which we hope to hold in the Middle East (one of the few regions on which the programme has not yet focussed) – are now well advanced and that meeting is also likely to be held before the end of 2008.

The special session in Brisbane on particulates was invaluable in helping to clarify issues related to the regional variation in sources, composition and impacts. There is a remit from the International Board to follow up this work. We shall need to look to many experts within IUAPPA on this, not just those who were able to contribute to the discussions in Brisbane.

All of these themes will come together in our next regional conference, to be held in October, in South Africa at the invitation of NACA. This is an important moment for the development of Air Quality Management in South Africa, as major national systems are about to be introduced. We hope to be able to attract experts in many of the key aspects of air quality management, but also – subject to the support of IUAPPA members – to contribute a major session reviewing AQM systems in different countries and drawing out some of the lessons of the last 15 years.

Our South African meeting will also allow us to pursue the key issues of Brisbane. On transport we hope to link with the UNEP Low Sulphur Fuels Initiative. On long-range transport of pollution we have the opportunity to link up with our Forum colleagues in the Air Pollution Information Network for Africa. There will also be the chance to look at the options for effectively linking national and local strategies on air pollution abatement and greenhouse gas reduction.

All this represents a demanding agenda, but at least we shall not be short of opportunities to pursue the central objectives of the Union in relevant and effective ways.
SUCCESS IN BRISBANE: THE 14TH WORLD CLEAN AIR AND ENVIRONMENTAL PROTECTION CONGRESS

Over 450 delegates from 29 countries attended the 14th IUAPPA World Clean Air and Environmental Protection Congress which highlighted solutions and challenges posed by air pollution and climate change. Hosted by the Clean Air Society of Australia and New Zealand (CASANZ), the Congress was held at the Convention and Exhibition Centre in Brisbane, Australia, from 9 – 13 September 2007. This year’s theme was “Clean Air Partnerships: Coming Together for the Future.”

There were 45 Congress sessions covering a broad range of topics, including air quality and health; transport emissions; modelling; particle measurement; emission inventories; rural/urban partnerships; energy sources and air quality; urban air quality; and indoor air pollution. In total, 215 oral papers were presented and 35 poster papers displayed at the Congress.

Building on the outcomes of the London World Congress of 2004, that underlined the interaction of atmospheric pollution and climatic change problems, the Brisbane Congress highlighted the urgency of a better integration of research and policies on these two issues.

The Congress featured a number of outstanding keynote addresses and plenary sessions. These included:

- Partnership Initiatives Toward Sustaining our Atmosphere by Dr. Ian Lowe (Australian Conservation Foundation);
- The Role of Transportation Related Emissions in Air Pollution, Public Health and Climate Change: Past Lessons for Future Actions by Dr. Alan C. Lloyd (International Council on Clean Transportation);
- Atmospheric Brown Clouds, Greenhouse Gases and Climate Change: Implications for the Water Budget of the Planet by Dr. Veerabran Ramanathan (University of California);
- Engagement of Communities, the Private Sector and Local Governments Toward Development of Policies and Funding of Initiatives for Clean Air in Asia by Ms. Bebet Gozun (Phillipines);
- The Challenge of Regional, Hemispheric and Global Air Pollution by Mr. Richard Mills (Director-general, IUAPPA) and Dr. Johan Kuylenstierna (Stockholm Environment Institute, York University);
- Global Warming by Prof. Andy Pitman (University of New South Wales); and
- Genes to People to Communities: Who is Susceptible for Air Pollution? by Dr. Joel Schwartz (Harvard University).

The Congress featured three special sessions sponsored by the Global Atmospheric Pollution Forum. They included 1) a dialogue on Inter-Regional Problems of Airborne Particles; 2) a workshop on Future Transport Technology for a Carbon-constrained, energy-hungry world; and a plenary session on Tackling Regional and Global Air Pollution. Summaries of these sessions can be found in this newsletter.

The Congress also included a number of interesting workshops and training courses on:

MESSAGE FROM THE INCOMING PRESIDENT

Each generation of IUAPPA leadership has had to take on its own unique set of scientific and policy issues. Those facing us have never been greater. Over the next three years, the international community will face critical environmental and economic challenges that include sustainable development, climate change, and poverty.

Our IUAPPA member organizations are poised to play an important role in addressing these challenges around the globe. I look forward to working with all of the IUAPPA member organizations over the next three years as we help the world’s scientific, policy and political leaders find solutions to these important problems. In particular, I believe that how we interact with the global climate change community to develop cost-effective co-benefits approaches – addressing both greenhouse gases and conventional pollutants – will be critical.

I expect to spend much of my time as president focusing on ways to help strengthen IUAPPA by working to expand its membership and building on the historic IUAPPA foundation that includes the Megacities Seminar Programme and the Global Atmospheric Pollution Forum. I look forward to working with all of you and encourage you to become active participants in the Union as we tackle the challenges of our day and work to build a stronger IUAPPA.

Opening of the 2007 World Congress

Photo: Robert Gray, courtesy of B&B Design Australia
– Air Pollution Control;
– Ambient Air Monitoring;
– Aermod;
– Indoor Air Quality; and
– Modelling and Odour: Community Surveys and Buffer Criteria.

During the Congress sessions, the oral presentations were limited to 10 minutes, which allowed for discussion at the end of each session, helping to arrive at meaningful outcomes. Presenters were asked to focus on results with full descriptions to be detailed in the written papers. Session chairs provided outcomes which were summarised and presented in the closing plenary session.

Key themes, outcomes and conclusions from the Congress include the following:

- A need to understand better the interactions between air quality and –
  - greenhouse gas emissions;
  - radiative balance especially the contribution of black carbon to the ‘Asian brown cloud’, which should be reduced at the same rate as other pollutants;
  - climate change impacts;
  - human health and well-being;
  - environmental quality; and
  - weather conditions, including cloud formation.

Other needs relating to climate change are a national strategy for resilience in the face of climate change, and better understanding and management of carbon emissions:

- in methane from swamps; and
- from agriculture, forest, and domestic burning.

Air pollution health impact assessments require consistent methodologies between collaborators with effective peer review. Studies should take into account and quantify the influence of human factors as well as chemical and physical processes. This requires careful quantification. Further research is needed into:

- health effects of particle number, size and composition;
- thresholds for benzene, lead and ultrafine particle effects;

There is a need to quantify uncertainties and apply a risk analysis approach to regulation. Then ensembles of models can be used for the best result.

Speakers recommended the setting of international minimum vehicle emission standards. They also recommended that before introduction of alternative fuels, assessments consider:

- the performance of each fuel over the range of vehicles;
- the fuel source and its impacts eg displacing food source;
- chemical composition and combustion products; and
- total lifecycle assessment.

Community engagement was recognised to be essential and it should include linking health effect outcomes for both air quality and climate change. Monitoring and other research programs can be enhanced by community participation. Planning studies need to incorporate site specific criteria, the provision of transport infrastructure and the treatment of air quality as a resource.

Speakers also called for more tertiary courses specialising in the basic sciences underpinning air quality, especially chemistry, physics or biology.

A copy of the full summary of outcomes will be available shortly on the IUAPPA website. A copy of the official proceedings on CD containing papers from concurrent oral sessions and poster presentations can be obtained by contacting CASANZ at www.casanz.org.au.

**TASK FORCE TO REVIEW UNION’S “ROLE, STRUCTURE AND MEMBERSHIP”**

Over recent years IUAPPA has changed in various ways, moving from an organisation largely focused on a triennial congress and intervening annual meetings, to one which has sought to act in broader ways in pursuit of its members’ core values and objectives. These include some of the major air pollution issues of the day, including the problem associated with mega-cities and those wider problems of international atmospheric policy.

At its meeting in Brisbane in September, the IUAPPA Board agreed to establish a task force to further examine the role and structure of the Union as we are almost a decade into a new century of environmental challenges. Given the environmental problems of the day and the great advances in communications and technology since IUAPPA’s founding, are there ways that the Union should refine its focus, improve its operations and better serve its member organizations?

In preparation for the review the Secretariat undertook a questionnaire-based consultat- ion of member organisations, seeking their assessment of their organisation’s current strengths, the challenges they face, and their views on the ways that their own organisation and the International Union should develop. Among the recurrent themes were the importance of focusing on climate change issues as well as air pollution, and the opportunities for using new technologies to improve communication both internally within IUAPPA and member organisations, and to the external world.

The task force will be comprised of members appointed by each of the five IUAPPA vice-presidents. It will report back to the IUAPPA Board at the next Union annual meeting in October 2007.
In recent years, knowledge about the effects of air-borne particles (PM) on human health has improved considerably. There remain, however, significant gaps and these limit the development and implementation of effective measures to manage impacts. One important gap is the understanding of the mechanism by which PM harms human health. This has proven to be a difficult problem, mainly, because there are many different sources of PM, ranging from vehicle exhaust to forest fires, and they produce a wide range of physical forms and chemical compositions. This may also explain the emergence of different policy responses to PM seen between and within regions. However, the diversity of sources and management approaches offers the prospect of exploring their relative impacts through inter-regional dialogue. Once the differences are captured it should be possible to make a systematic assessment, with the twin aims of improving understanding of the fundamental mechanisms by which PM does harm and of the critical factors in successful policy to reduce emissions.

The special session at the Brisbane IUAPA World Congress was a first step, and in introducing the session, Richard Mills, the Director General, stressed the role it would take in guiding IUAPPA’s work, though the Global Forum, on PM and on the potential for inter-regional dialogue. The Chairman, Alan Gertler, noted that any approach to the problem would have to be multi-faceted and that it would be necessary to bring together many different strands of knowledge to produce a satisfactory analysis of causes and solutions.

Dr. Johan Kuylenstierna, of the Stockholm Environment Institute, gave an assessment of the current data on PM and the state of knowledge of the sources and extent of particulate pollution in different world regions. He reported that PM in each region came from a range of sources, including not only transport and industry but also urban rubbish-burning, biomass burning, sea-salts and windblown dust. This meant that there was more difference of composition within regions than between them. Biomass burning was certainly important as a PM source in Africa, but also in parts of the United States and PM in the world’s mega cities was dominated by similar sources. It was clear, he said, that the overall levels of PM were highest in the Least Developed Countries. However, it was difficult to make detailed comparison of the PM burden from the different sources in the different regions because of the incompatibility of data sets. Such data as were available suggested similarities between the parts of regions traffic and industry dominated. There were also similarities in the PM burden between rural parts of regions. In rural parts of regions the issues of land use and land management and in particular the role of burning in agricultural system were crucial. Any effective policy would have to address a range of complex issues including the value of biomass burning in agricultural economies.

Tim Hanley, the PM National Supervisor for USEPA, described the US experience in developing monitoring strategies. He said that the development of robust strategies was crucial in the development and implementation of control strategies, particularly where, as in some parts of the US, controls, for example of wood burning, were necessary under certain conditions. He noted that there was now high confidence in the use of monitors for PM and black carbon in regulatory systems in the US.

The wider role of PM in climate forcing was raised by Dr. V Ramanathan, University of California San Diego, who said that PM had had the effect of masking the rise in greenhouse gases so that temperatures had risen less than would have been the case without PM. The masking of incoming radiation was also a problem because it meant less sunlight reaching the earth’s surface and a consequent reduction of crop yields. There was, however, considerable uncertainty about the scale of this effect and significant ignorance about emissions, particularly as characterised by black carbon. There was an urgent need, he said, for measurement, long term projections and joint assessment of climate and air quality impacts. An international body would be required to look at sources, impacts and control options.

The health impacts of traffic pollution were highlighted by Dr. Joel Schwartz, Harvard School of Public Heath, who said that studies now showed that black carbon was most closely associated with a range of health outcomes. There was a much improved understanding of the mechanisms of harm, linking PM to oxidative stress. There were important equity issues surrounding PM as it was now clear that some parts of the population, including diabetics and the elderly, were more susceptible than the average.
In a discussion of the scope for common policies, Frank Murray said that it was clear that strategies had to match circumstances and the different geographic scales involved. He noted the impacts of smoke from fires in Siberia on Japan and in India on Bangladesh and compared solutions to these to the local solutions that had been implemented, for example, to control emission from motor rickshaws in Dhaka. It would be essential to use a range of instruments, including regulatory and economic, to produce effective strategies and to match these to the levels of development of the different economies in regions.

Jeff Clark, IUAPPA Secretariat, updated the UNECE and European Union plans for dealing with PM and summarised UNECE experience in forming regional agreements. The key to success, he said, had been the determination to agree practical targets based on a good understanding of the scale and nature of the problems involved. Good quality monitoring and assessment had been a key to this.

In summing up, Richard Mills echoed Professor Murray’s call for a range of solutions but noted that, in general, complex policies fail whereas simple ones tended to succeed. The first step, he said, would be to consider the information available and to begin to develop means of improving monitoring and harmonising data. Inter-regional dialogue and cooperation would be helpful in this respect. Such dialogue would also make it possible to assemble information on different policy approaches and their effects. There was certainly scope for IUAPPA through the Global Forum to build on its experience and to facilitate this process.

Submitted by John Murlis

FUTURE TRANSPORT TECHNOLOGY FOR A CARBON CONSTRAINED, ENERGY HUNGRY, WORLD

A Special Session at the IUAPPA World Congress, Brisbane, 14 September 2007

The publication of the IPCC Fourth Assessment report has thrown into sharp relief the challenge facing the world in reducing emission of greenhouses gases. Strenuous efforts will be needed in all sectors but the transport sector, with its vigorous growth, presents a particularly severe challenge. There is much that can be done to improve the environmental performance of fleets in service by implementing the best of current technologies. However, it is becoming clear that greater reductions in green house gasses will be required than can be achieved by this route alone. Future strategies will have to combine new technologies, such as fuel cells, for new vehicles with renewable transport fuels for vehicles already in service, bioethanol, for example.

The current status of these two elements of a future strategy was considered in a special session at IUAPPA's 2007 World Congress. Experts from the US, Australia and the UK presented overviews of developments and future strategies for new transport technologies and fuels and there was a lively and useful discussion.

The IUAPPA Director General, Richard Mills, introduced the session as the latest in a series of seminars in which policy experts met to review progress on air quality. However, the emerging agenda included the impact of transport on global warming and the aim of the current meeting was to explore what scope there was for improving the performance of transport in respect both of climate change impacts and local air quality.

Alan Lloyd, as the session Chairman, noting that where there had been a significant regulatory pressure on air pollutants there had been considerable progress. Tailpipe emission in California had responded well to progressive tightening of limits. Emission of CO₂, the main greenhouse gas, where there is little or no current regulation had remained stubbornly constant. However, the recent targets set by Europe for CO₂ (120 g/km by 2012) and the recent Vermont law case which found that CO₂ was indeed an air pollutant and USEPA should set limits, showed that there was some new interest in using regulatory instruments for CO₂.

One of the key factors in creating policies for radical change will be an understanding of the conditions that will accelerate the assimilation of new technologies into the market. In his presentation, John Murlis, Environment Protection-UK, discussed the experience so far in bringing new vehicle technologies to market. He concluded that it was vigorous regulatory systems that had had the most success but that experience showed that it was essential to be clear about the targets involved. In the case of greenhouse gases, although some mutually acceptable interim targets might be negotiated between regulators and the automotive industries, the necessary stringency of the long term targets had to be clear. This would ensure that investors had the confidence to make long term commitments and that technologies that engendered only modest saving would be less likely to be seen as commercially viable.

Mark McKenzie, the Managing Director of Rare Consulting, presented the case for a holistic approach to the problem of transport emissions. He noted that, while a number of policy responses have been initiated worldwide to reduce the impact of vehicle-related emissions, these initiatives have delivered mixed outcomes. With respect to air quality, most developed countries have made good progress in
reducing vehicle-related air pollution in recent years but continued growth in road travel threatens to erode the value of these gains in the short to medium term. The situation, he said, is far more challenging in respect of greenhouse emissions, with the world having made little progress in reducing greenhouse emissions from road transport. The key to progress would be the ability of policy makers to treat the transport system as a whole and as a part of a larger system of economies and human settlements. Growth, he said, remained the principal challenge as it threatened the modest progress made in economy so far. Reducing transport emissions in the future would require an approach that vehicle and fuel improvements targeted but also urban planning and transport infrastructure. Crucially, addressing transport consumer behaviour would be an essential part of an effective future strategy.

The complex interactions between measures to control air quality and climate change were considered by Tom Beer, Stream Leader of the CSIRO Transport Biofuels, Energy Transformed Flagship project. In general, he noted, measures to reduce greenhouse gases will reduce air pollution (and vice versa) but this is not always the case. He cited the use of SCR technology to control NOx as an instance where the increased emissions of N2O would have negative impacts on climate. It remains important, therefore, he said, to examine the full range of possible policy options to determine whether they will be positive (reducing both greenhouse gases and air pollution) or perverse (increasing one or both). Dr Beer introduced a policy analysis framework for assessing the benefits and possible negative effects of different road transport fuel options in Australia.

In discussion a wide range of points was made. There was much support of the use of economic measures to incorporate the full external costs into transport, but it was recognized that there were political constraints on what could be achieved. It was also noted that the market could also act in a negative way, that in New Zealand the fall in oil prices had stranded compressed natural gas (CNG) as a vehicle fuel to the detriment of air quality. The importance of tackling driver behaviour was illustrated by the estimate made by the public transport authority in Paris that reductions of 10% of fuel consumption were at stake. The value of alternative fuel was illustrated by the improvements in transport emission obtained in Tehran where CNG was in widespread use.

In summing up, Alan Lloyd noted that in assessing policy options it would be important to have the utmost transparency in models so that assumptions were clear. Solutions would have to be tailored to local conditions and health impacts remained a major and immediate driver. An effective approach to the joint problems at issue would certainly combine vehicle technologies with improved planning and incentives for less transport intensive life styles. However, it was difficult to re-plan town and cities quickly and human behaviour had shown itself resistant to change. Vehicles and their fuels would remain a major focus for action in the immediate future.

Contributed by John Murlis

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**PLANNING UNDERWAY FOR THE VANCOUVER WORLD CONGRESS 2010**

The Air & Waste Management Association is the proud host of the 15th World Clean Air and Environmental Protection Congress scheduled for September 12-16th, 2010 in Vancouver, Canada. Consistently voted one of the world’s most liveable cities, Vancouver is a dynamic and multicultural metropolis surrounded by majestic mountains, sparkling ocean, rainforests and beautiful foliage year round. The Congress local host committee has secured the Westin Bayshore Hotel located on Vancouver’s stunning waterfront, a short walk from downtown core and adjacent to the 400 hectare evergreen oasis of Stanley Park.

The local host committee is working closely with IUAPPA and Tourism Vancouver to ensure that this Congress will be a memorable experience for all delegates and accompanying persons. Attendees may even wish to take in a pre- or post-conference trip to picturesque Whistler or an Alaskan cruise.

We would appreciate hearing ideas from prospective conference attendees. If you have any suggestions for the technical or social programs, please contact the local host committee co-chairs:

Laurie Bates-Frymel at Laurie.Bates-Frymel@metrovancouver.org or Ken Stubbs at Ken.Stubbs@metrovancouver.org.

We look forward to seeing you all in 2010!

Contributed by Laurie Bates-Frymel
The challenges facing the world community from atmospheric pollution at the regional, hemispheric and global scales, and the work of the Global Atmospheric Pollution Forum to promote action to address those challenges, were the focus of two plenary sessions of the World Clean Air and Environmental Protection Congress in Brisbane, Australia, in September 2007.

The first was a session in which Richard Mills, the IUAPPA Director-General, and Dr. Johan Kuylenstierna, Director of Stockholm Environment Institute (SEI) Centre at York University in the United Kingdom, gave an overview of the Forum and a report on its progress to date. The second plenary session highlighting the Global Forum was held at the conclusion of the World Congress on 13 September. It featured presentations from a panel of leading international experts associated with the Forum giving presentations on various aspects of the need for global progress on dealing with the challenges posed by regional, hemispheric and global air pollution. They included Lars Nordberg, former Executive Secretary of the UNECE Convention on Long-range Transboundary Air Pollution; Cornie Huizenga, the Executive Director of the Clean Air Initiative-Asia; and Dr. Johan Kuylenstierna, Director of the SEI Centre at York University. In the second session, Jeff Clark of IUAPPA outlined five key questions to frame the discussion and, after the presentations, led a wide-ranging discussion with the Congress delegates on possible future priorities in seeking to protect and improve the atmospheric environment at regional and global scales. The five questions were:

- Is there a need for a global agreement, protocol or some formal structure to address hemispheric and global atmospheric problems – or are there other approaches that might be sufficient?
- What steps are needed – particularly from the atmospheric community — to build consensus on solving global atmospheric problems?
- Is there a need for periodic global air pollution assessments and “trends reports” (e.g. to help focus public support for stronger action on air pollution?)
- In what specific areas is greater international coordination/harmonization needed?
- What key areas should be targeted in pursuing dialogues between regional networks (e.g. climate co-benefits, PM and health, ozone)?

Each of the three panelists focused their presentations on one or more of these questions. Based on his years of experience with the UN Economic Commission for Europe’s Convention on Long-range Transboundary Air Pollution (LRTAP), Mr. Nordberg’s presentation addressed the steps that could be taken towards a multi-lateral agreement on transboundary air pollution. He concluded by noting that, from a global perspective, three possible ways forward include:

- A global convention on air pollution to match the Climate Change Convention;
- Opening up the LRTAP Convention to the world; or
- Separate sub-regional, regional or hemispheric agreements worldwide.

Mr. Huizenga then gave a presentation about the critical role of public support in promoting effective regional action on air pollution. He used his extensive experience at the Clean Air Initiative-Asia to show how public involvement and support plays a critical role in ensuring policy makers take meaningful action. Dr. Kuylenstierna then provided a detailed overview of the areas where harmonization of technical systems, information and assessment processes are needed between regional networks and around the world. These included the areas of health, emissions inventories, monitoring, crops, materials and assessments.

During the session the members of the audience then commented on the issues raised in the presentations and presented a variety of suggestions for the kind of actions needed to better ensure progress in addressing air pollution at the regional, hemispheric and global levels. Included among these were:

- As we work on global air pollution issues, it is instructive to learn from other global protocols, including the Kyoto and Montreal protocols.
- It is critical to build support for air pollution programmes at all levels – including political, policy, media, industry, NGOs and the general public – not just the scientific level.

In developing materials to help harmonize methodologies and approaches used around the world, it is important that the Forum prioritize its work and focus on the main gaps, rather than trying to develop comprehensive programmes on all issues.

The panelists’ presentations and more details on the discussion can be found at the Global Atmospheric Pollution Forum’s website at www.gapforum.org.
Over the past several months, the Global Atmospheric Pollution Forum has continued to make significant progress in pursuing programmes to reduce air pollution at the regional, hemispheric and global pollution. IUAPPA is a co-founder of the Global Forum and plays an important role in Forum activities. Included among the recent Forum activities and accomplishments are:

Global Forum takes several steps to actively encourage UNECE/LRTAP to take a leading role on hemispheric and global solutions

Over the past several months, the Global Forum has taken a number of concrete steps to encourage the United Nations Economic Commission for Europe’s Convention on Long-range Transboundary Air Pollution (UNECE/LRTAP) to take a leading role in providing global leadership and technical support to other regional bodies on atmospheric pollution issues.

In December 2007, the Forum hosted a discussion in Geneva between representatives of the LRTAP Executive Body (EB) and members of other regional air pollution networks around the world. The Forum also sponsored a special dialogue among members of the LRTAP EB and representatives of the Malé Declaration for Control and Prevention of Air Pollution and its Likely Transboundary Effects for South Asia; the Air Pollution Information Network for Africa (APINA); the Acid Deposition Monitoring Network in East Asia (EANET) and the Sahara and Sahel Observatory (OSS). The purpose was to support the development of inter-governmental networks in Asia, Latin America and Africa, technical co-operation and harmonization (e.g. emissions inventory activity) and consensus building. The Forum strongly underscored its support for LRTAP's Outreach Strategy to other regions.

The Forum paper and presentations are available at www.gapforum.org.

In November 2007, the Global Forum was pleased to welcome the appointment by the UN Environment Programme (UNEP) of Forum technical liaison officers for Africa and Latin America and the Caribbean.

Ms. Jane Akumu has been selected to serve as the Forum's technical liaison officer for Africa and Mr. Damaso Luna will hold the same position for Latin America and the Caribbean. These appointments are an important step forward in the development of intergovernmental air pollution networks for those regions, and more generally in developing the work of the Global Forum on regional air pollution.

Ms. Akumu is based in Nairobi and serves as an Associate Programme Officer with the UNEP’s Urban Environment Unit. She is responsible for Urban Environment issues in Africa, including air quality monitoring and clean fuels and vehicles. Mr. Luna serves as an advisor to the Director of the UNEP Regional Office for Latin America and the Caribbean (ROLAC) dealing with strategic planning, substantive preparation for
At the December 2007 international climate negotiations in Bali, the Global Atmospheric Pollution Forum issued a press release warning the international community of the need to closely coordinate climate change programmes with those aimed at reducing air pollution.

Given the huge annual health and environmental costs associated with so-called “conventional” air pollution, the Forum release highlighted the concern that, “…unless developed in tandem, policies designed to reduce harmful emissions of the pollutants that cause smog, haze and soot may overlook opportunities to reduce the pollutants that cause global warming – and vice-versa. Developing policies to address both air pollution and greenhouse gases will provide important co-benefits—in the short-term by reducing the air pollution that is harming the environment and causing huge numbers of illnesses and premature deaths – and in the long-term for the abatement of climate change.”

Commenting in the press release, Richard Mills, Director-general of IUAPPA, one of the co-founders of the Global Forum, said “We need to reduce emissions of pollution into the air – not only for the future sake of our climate, but also for the sake of people breathing unhealthy air today and tomorrow. Given the scarce resources available – especially in developing countries – it is critical that we develop cost-effective strategies that effectively address both climate change and air pollution. Indeed, so close is the link between the two, that for many purposes – and certainly for abatement strategies – it now makes little sense to treat the two issues in isolation from each other.”

The press release continued, “to ensure better co-ordination of the international efforts to address air pollution and climate change, the Global Forum recommends that governments and intergovernmental organizations explore opportunities for joint action on air pollution and greenhouse gas mitigation, taking as a point of departure the emerging scientific understanding of the interrelationships.”

CHANGES IN THE UNITED KINGDOM: THE NATIONAL SOCIETY FOR CLEAN AIR BECOMES ENVIRONMENTAL PROTECTION-UK

In 2006 Phillip Mulligan was hired as the new chief executive. He initiated a comprehensive strategic review of all the former NSCA's operations, which included a review of the organization's policy operations, goals, and its governance and structure. As part of the review, Phil's team prepared a 5-year strategic plan, known as “Future Focus.” At the same time proposals for rebranding the organization, including the possible name change, were carefully examined.

The Environmental Protection-UK is the oldest environmental charity in the United Kingdom. With the introduction of Great Britain's Clean Air Acts in the 1950s, the Society's original aims were largely achieved, and the organization was able to evolve successfully over the years to deal with a growing range of serious environmental concerns. Today, “Future Focus” highlights the issue areas upon which Environmental Protection-UK intends to focus for the next several years: air, climate, land and noise.

To learn more about Environmental Protection-UK and Future Focus, visit www.environmental-protection.org.uk.

UNION HONOURS FORMER OFFICERS

At its International Board meeting this year the Union honoured three former officers, who had given particularly meritorious service, with appointment as Honorary Life Members.

Joop Van Ham (VVM- Netherlands), who retired this year as Treasurer after several years’ most valuable and dedicated work, will be remembered also for his leadership of the successful World Congress in Amsterdam. In addition to his Life Membership he retains his link with IUAPPA as Secretary of EFCA.

Dr Ken Sullivan (CASANZ – Australia) and Dr Won Hoon Park (KOSEA – Korea) are both distinguished Past Presidents of the Union who after service in that role have maintained their interest and support for the work of the Union.

NEWS FROM CASANZ…

Clean Air Medal awarded to Dr. Peter Manins

At the Brisbane Congress Dinner, a number of important CASANZ awards were presented. Included among them was the Society’s highest award, the Clean Air Medal, to Dr. Peter Manins.

Last awarded in 2002, the Clean Air Medal has only been presented four times in the Society’s 40-year history. Dr Manins received the award for: “Distinction in the atmospheric sciences”. In making the presentation, CASANZ President Dr Gerda Kuschel said: “Dr Manins is an extremely deserving recipient, who has devoted his career to the science of air quality and environmental protection.”

Dr Manins is a Chief Research Scientist at CSIRO, with internationally-recognised expertise in air pollution meteorology and modelling. He has been an expert advisor on several public infrastructure projects and major industrial developments, including Sydney’s Lane Cove Tunnel.

He also led the major Latrobe Valley Airshed Study in the 1980s and has worked as an international advisor for the World Health Organisation, the UK Science Council and the World Meteorological Organisation. Dr Manins founded CSIRO’s Environmental Consulting Research Unit in 1989 – based on advanced air pollution modelling – and led CSIRO’s air pollution program from the mid 1990s.

“He has been a leader in the development of Australian air-quality science for over 30 years and has been instrumental in many significant research developments, as well as a mentor to numerous young scientists,” Dr Kuschel said.

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ADAPTING TO CLIMATE CHANGE; INITIATIVES BY ABEPPOLAR AND IUAPPA

One of the most important areas of agreement at the Bali Conference in December was collective programmes to help countries adapt to the impacts of climate change. Reflecting this, ABEPPOLAR, IUAPPA’s Brazilian member, is promoting initiatives to encourage states and cities to prepare more effectively for the increased risks of natural disasters that climate change brings with it.

The latest step was a major conference in Santos, the port for Sao Paulo, which examined the new policies and systems needed for responding to climate-induced disasters. The conference was organised with the Institute of Prospective Technologies and the Institute of Geological Sciences. Santos was chosen as the venue because of the significant risks that have recently emerged of potentially disastrous earth movements and landslips in the area.

World-wide, the annual total of disasters was now estimated at about 4-500

IUAPPA was the only international sponsor. In its introductory presentation it described the dramatic global increase in disasters over the past 25 years. The Union explained that, world-wide, the annual total of disasters was now estimated at about 4-500, as against about 125 in the early 1980s. Most of the increase is in ‘small’ and ‘medium-sized’ disasters as opposed to major catastrophes. However, as the Union explained these smaller disasters are geographically dispersed and often in areas where there is no previous experience to draw upon. Moreover a series of small disasters can, as recently in West Africa, develop into a major catastrophe.

Disasters also disproportionately affect developing regions

Most of the increase in disasters, the presentation explained, is climate-related – the effect of rising temperatures and increased rainfall. Disasters also disproportionately affect developing regions – particularly the poor and women because they are relatively powerless to avoid disasters or escape their consequences. However more developed societies can also be seriously affected because of the risk that even relatively small disasters can pose to strategic assets.

ABEPPOLAR is now promoting a series of further conferences on the theme across Brazil. Meanwhile the Board of IUAPPA agreed at its meeting in Brisbane to explore opportunities for international meetings and co-operation in this field. This could take the form of a series of international seminars between major cities on policies for adapting to the impacts of climate change, and it is hoped to begin the programme late in 2008 or early the following year.

The Conference in Santos coincided with the announcement that Randolpho Lobato, ABEPPOLAR’s President, was to receive one of the awards given by Sao Paolo to citizens for outstanding contributions to the life of the city.

WORLD ATLAS OF ATMOSPHERIC POLLUTION DUE IN FEBRUARY 2008

The World Atlas of Atmospheric Pollution is in its final stages of production and is expected to be available in February 2008. The Atlas, edited by Dr. Ranjeet Sokhi from the Centre for Atmospheric and Instrumentation Research at the University of Hertfordshire in the United Kingdom, has been eagerly anticipated. The Atlas is being published by Anthem Press. It has been developed in association with IUAPPA and the Global Atmospheric Pollution Forum and its contributors include a set of internationally renowned experts on air pollution.

The Atlas will include chapters on the history of air pollution; air pollution in urban areas; long-range transport of air pollution; global air pollution and climate change; ozone depletion; the environmental and health impacts of air pollution; and future air pollution trends.
IN MEMORIAM:

Piet Odendaal (1936 – 2007)

It is with great sadness that IUAPPA notes the death of our friend and colleague, Piet Odendaal, Director of the National Association of Clean Air (NACA) in South Africa. Piet passed away from a heart attack on Tuesday 18th September 2007, just days after returning from the 14th IUAPPA World Congress in Brisbane Australia.

Pieter Odendaal grew up and went to school in Standerton, South Africa. He worked as an officer in the Air Pollution Control Section of the Department of Health, which was later transferred to the Department of Environmental Affairs and Tourism. Piet was promoted to Deputy Director Administration in the Air Pollution Control Section, a position he occupied until his retirement in 1996. In his retirement, Piet continued his work on clean air when he was appointed in 2000 as Technical Director of the National Association for Clean Air, where he played a significant role in guiding NACA’s deliberations on drafts of the Clean Air Act of 2004. Piet also became the international face of air quality management of South Africa, representing NACA at the IUAPPA meetings and World Congresses. Piet was a good friend to IUAPPA and a valued colleague in the fight for clean air. We will miss him.

IUAPPA BOARD SELECTS NEW LEADERSHIP TEAM

At the IUAPPA Board meeting in Brisbane, a new President, Treasurer and two new Vice-Presidents were selected to serve the next three years with three incumbent Vice-Presidents.

Professor Alan Gertler from the Desert Research Institute in the United States was appointed President of IUAPPA on the nomination of the Air & Waste Management Association (A&WMA). Jean-Marie Rambaud, from the Association for the Prevention of Atmospheric Pollution, France, was elected Honorary Treasurer to succeed Joop Van Ham. Past-President Steve Hart will become a Vice-President on appointment by A&WMA. And following the completion of his term as an appointed Vice-President, Dr. Neville Bofinger of the Clean Air Society of Australia and New Zealand was elected as a Vice-President.

The new IUAPPA Board officers are:

President: Alan Gertler, U.S.
Vice Presidents:
Randolpho Lobato, Brazil
Dr. K.C. Moon, Korea
Professor G. Zerbo, Italy
Steve Hart, Canada
Dr. Neville Bofinger, Australia
Honorary Treasurer: Jean-Marie Rambaud, France