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NEW FRONTIERS **CASANZ 2015** 20-23 SEP | MELBOURNE

CLEAN AIR SOCIETY OF AUSTRALIA AND NEW ZEALAND
22ND INTERNATIONAL CLEAN AIR & ENVIRONMENT CONFERENCE



1. Message from the President

I recently enjoyed a very successful personal trip overseas, where there was little thinking about or interacting with air pollution problems. The USA does have lots of these, but somehow when I was in rural Virginia, or New York State, or in the autumn colours of New England, or driving across northern Wisconsin, such problems seemed very far away. But I am home to more lifestyle reality now. The glorious weather over a recent weekend in Newcastle enhanced a major bushfire in this area, with resulting smoke creating peaks in the PM concentrations.

I personally would like to welcome Nick Koerbin, our new General Manager, to the Society. I understand he has been visiting branches and attending AGMs, so many of you would already have met him. With his background and experience, he will be a great asset to CASANZ and will help us move forward into a strongly positive future.

One of my last tasks has been to sign off the CASANZ submission to the review of PM NEPM standards. A decision about these should be made by the National Environmental Pollution Council (NEPC) soon. Finding appropriate PM standards is a major challenge. CASANZ input to this process is important because the Society is recognised as the major independent NGO for air quality by all levels of government; Federal, State and local. We are also working toward more communication at the public level. CASANZ will never be a household name, but we are already well-respected in some public arenas.

On November 28, I turn over the Presidency to Mark Hibberd (from CSIRO), at the Society AGM in Sydney. It has been an interesting four years, mostly fun, sometime very stressful, and I wish Mark and his new Executive all the best for the coming years. I want to thank Mark, Janet Peterson, and Robert Kennedy for the Executive support they have given me, and Vicki Callaway and her administrative team, who helped us resolve a range of challenging issues. A special thanks goes to Michael Moran, who help us plan future Society direction, and also to find Nick.

Howard Bridgman
President, CASANZ

2. Message from the General Manager

It has been a month since I have started as General Manager of CASANZ and it certainly has been an exciting time. My first observations have been very positive and compared to a number of other societies, CASANZ has a great opportunity to make a difference in the understanding of air quality and our changing environment within the community.

In my first week, Vice President Mark Hibberd and Jack Chiodo invited me to a meeting with the advisor to The Hon Greg Hunt, Minister for the Environment, at Treasury Place Melbourne. The Minister was seeking input and ideas from CASANZ in regards to air quality as it will be high on the Governments agenda for 2015. From my experience with influencing Government, it is always a hard job just to meet with the right people, so meeting with the advisor on the first week indicates the government is keen to listen to what CASANZ has to say.

There is a lot of work we need to do build on these Government relationships which will be a priority for me over the coming months.

I will also be reviewing our total training package, plus how we communicate with members to what services we offer.

More importantly, my priority is to meet members and gain their ideas and feedback. To do this, I have scheduled to attend as many of the AGM's as I can. I would like to especially thank the New Zealand and Vic/Tas Branch committee and members who welcomed me at their AGM in October.

Hopefully by the next e-News we will have more to say. However, if you have any ideas or thoughts on how we can best serve our members, please do not hesitate to contact me: nkoerbin@casanz.org.au.

Nick Koerbin
General Manager

3. CASANZ Events

Transport SIG Webinar – 10 December, 2014 @ 9am AEDT, 11am New Zealand

Following on from the Ports webinar held in October, **Ms Penny McDaniel from the US EPA** will discuss port emission inventories, policy development and a range of emission reduction measures to control emissions from ports.

Penny was scheduled as part of the October webinar but unfortunately was unable to attend at the last minute.

Don't miss this opportunity! Places are limited, so please register for this webinar by Friday, 5 December, 2014 to the Admin Office: admin@casanz.org.au. Details will be available shortly on the CASANZ website.

Australia New Zealand Aerosol Assembly (ANZAA) - 11th Annual Workshop

22-24 July, 2015 - Newcastle, NSW, Australia

The Australia New Zealand Aerosol Assembly (ANZAA) is the newest CASANZ SIG. Previously operating as an independent organisation over the past 10 years, ANZAA focuses on research and practical management of all aspects of aerosols and particles. Annually, 2-3 day informal workshops are held in different locations. The next workshop is in Newcastle, NSW, Australia and will be held on 22-24 July, 2015.

The 2015 workshop theme will be: ***Aerosol Dynamics and the Coal Chain***.

For further information on this workshop, including the agenda and how to register your interest, please [click here](#).

For enquiries, please contact: A/Prof Howard Bridgman, Chair, on +61 (0) 425 281 387 or via email: howard.bridgman@newcastle.edu.au.

2014 Society Annual General Meeting, 28 November, 2014

The Clean Air Society of Australia and New Zealand invites all members to attend the 48th Annual General Meeting on Friday, 28 November, 2014. The AGM will be held in conjunction with the NSW/ACT Branch Annual General Meeting in Sydney. The Agenda for the Society AGM is available on the CASANZ website, [click here](#). To register your attendance or apology, or for any enquiries, please email the Admin Officer before 24 November, 2014.

Branch Annual General Meetings 2014

SA/NT Branch - 20 November, 2014 For more information, [click here](#).

QLD Branch - 25 November, 2014 For more information, [click here](#).

NSW Branch - 28 November, 2014 For more information, [click here](#).

4. CASANZ Administration

Nick Koerbin Appointed as General Manager of CASANZ

We are excited to welcome Nick Koerbin to the CASANZ team; Nick has recently been appointed as our new General Manager.

Executive Director and Founder of [Association Executive Services](#), Nick is one of the most experienced not-for-profit leaders in Australia. With over 30 years in-depth management expertise, Nick has held senior executive and CEO positions in a variety of associations, including the Total Quality Management Institute, Materials Australia, the Australian Human Resources Institute, the Australian Quality Council, the Institute of Insurance, the Financial Planning Association, and the Furniture Industry Association of Australia.

Nick authored the book *Quality Journey*, which quickly became one of the most valuable publications for businesses implementing Quality Management principles. Nick holds a Bachelor of Arts (Psychology) and a Graduate Diploma in Management, and is a Fellow of the Quality Society of Australasia.

Given this wealth of experience, it is no surprise that Nick is an expert in quality management, facilitating change, professional development and improving association performance through the introduction of standard operating procedures, policies and initiatives.

Over the next six months, Nick will familiarise himself with CASANZ, our members, our office bearers, and the industry as a whole. As per the 2014 Council meeting and Operations Review, Nick will establish strong governance and financial management principals and standard operating procedures for CASANZ, with the overall objective of improving our training, events and member benefits.

Long-term, it is envisioned that our General Manager will develop and implement a strategic plan focused on expanding CASANZ, particularly in terms of developing mutually-beneficial relationships with the general public, and corporate Australia, as well as like-minded national and international associations.

2015 Conference Update

The dates of 2015 CASANZ international Clean Air and Environment Conference have changed to 20-23 September 2015. Through an oversight the previous dates clashed with public holidays in a number of Australian States and Territories. Please save the new dates in your diaries. We hope to see you in Melbourne in September 2015 when we will take you to the New Frontiers in air quality and climate change. The Local Organising Committee has been working hard at putting together a really exciting conference by introducing new ideas and approaches.

The call for papers and poster abstracts for has been launched. Details on submitting an abstract can be found at <http://casanz2015.com/abstracts/>.

The sponsorship and exhibition prospectus will be out soon. There will be a comprehensive range of sponsorship opportunities to meet a range of budgets and exhibition areas. We would like to have the latest air quality and climate change information and equipment showcased. The Local Organising Committee looks forward to your support and in return it aims to ensure that your organisation's Conference expectations are met.

Visit the conference website www.casanz2015.org for all the latest announcements. *Catherine Wilson, Local Organising Committee Chair*



Catherine Wilson, 2015 Conference LOC Chair and Becky Charlton, Conference Organiser checking out venues for the conference dinner (Carousel, Albert Park)

Training and Event Survey 2014

CASANZ are reviewing its training courses and event offerings for 2015 and is interested in understanding the current market needs. We wish to develop a program which would attract members and others to attend our courses and events.

To help us make the right decisions, we invite you to complete a brief survey. The survey is open to all members however, please forward this survey on to work colleagues or anyone who can contribute to the information we are seeking.

Members who complete this survey are eligible to win a fantastic prize of 6 bottles of premium red and white wines. The survey should take about 5 minutes of your time to complete. At the end of the survey, there is provision for you to enter your name and contact details if you wish to go into the draw. Otherwise, the survey is anonymous.

Your feedback and comments provide necessary information to support the development of a comprehensive training and events calendar and will be open until 26 November, 2014.

To complete the survey, [click here](#). We thank you for your support.

VIC/TAS Branch Report

Congratulations to Dr Paul Torre and the EPA Division of the Tasmanian Department of Primary Industries, Parks, Water and the Environment (DPIPWE); recipients of the 2014 Werner Strauss Awards.

Dr Torre's award was based on two nominations which recognised his work over 29 years in the air quality field and his ability to be resilient, tolerant and hardworking. Paul is respected across the air quality community in Victoria and throughout Australia.

The organisational award was presented to the DPIPWE EPA Division based on the BLANKET (Base-Line Air Network for the EPA Tasmania) program. The program is a low cost, real time indicative air monitoring network for smoke monitoring in Tasmania. The program is led by Dr John Innis and was technically developed by Mr Andrew Cunningham. Dr Innis accepted the award on behalf of the team.

The awards were presented by Ms Polly Strauss at the 2014 Werner Strauss Awards night and Victoria/Tasmania Branch AGM held on the 28 October. The evening had a special theme based on the Hazelwood Mine Fire event of 2014. The guest speaker was Dr Joshua Wilson QC, who led the case for the State of Victoria in the Hazelwood Mine Fire Inquiry. Dr Wilson shared his reflections and observations on the Inquiry.

The Victoria/Tasmania branch also presented a one off Certificate of Professional Recognition to Government scientists and engineers who significantly contributed to the understanding of air quality impacts during the Hazelwood Mine Fire. The recognition certificate was presented to 34 individuals from CSRIO, EPA Victoria, EPA Tasmania, Department of Health, Country Fire Authority and the Metropolitan Fire Brigade. *Jacinda Shen, Victoria/Tasmania Immediate Past*



*Past Vic/Tas Branch President's Dr Paul Torre and Dr Mark Hibberd, farewelling Jacinda Shen (immediate Past President).
Jacinda is awaiting the birth of her first child with husband Bryce.
CASANZ thank Jacinda for her support of the Vic/Tas Branch over the past 10 years.*

NSW/ACT Branch Report

The NSW/ACT branch AGM will be held on 28 November 2014 from 9am to 12pm at the Office of Environment and Heritage building in Sydney. The AGM will be preceded by three technical presentations followed by refreshments, networking, the branch AGM, society awards and the CASANZ Society AGM. Please see the CASANZ website for further details on the presentations.

The branch is currently in discussions with the TAE and the General Manager regarding exciting courses for 2015 and the following year. Such courses may include statistics, monitoring, modelling and energy and greenhouse gas workshops. A general survey will be sent around to CASANZ members in the coming days to determine what members are interested in. *Francine Manansala, NSW/ACT committee member/Secretary*

5. News and Reports

Services to Air Quality in Victoria and Tasmania Recognised

This year, the CASANZ Victoria and Tasmania branch held a particularly special combined Werner Strauss Awards Night and Annual General Meeting.

The event celebrated excellence within the air quality industry, and included the presentation of special recognition awards for numerous Victorian and Tasmanian scientists. All of these scientists worked tirelessly to contribute to the understanding and improvement of the air environment during the emergency event of the 2014 Hazelwood Mine fire incident.

Guest speaker, Dr Joshua Wilson QC, shared his reflections and observations of the Hazelwood Mine fire. Dr Wilson led the case for the State of Victoria in the Hazelwood Mine Fire Board of Inquiry, representing more than ten Government agencies.

The winners of the special recognition awards were:

- **Commonwealth Scientific and Industrial Research Organisation (CSIRO)**
 - Melita Keywood, Principal Research Scientist
 - Fabienne Reisen, Senior Research Scientist

- **Country Fire Authority**
 - Craig Brownlie, Operations Officer - Sector Commander Atmospheric Monitoring
 - Warren Glover, Scientific Officer
 - Darren Simon, Senior Station Officer – Plume Modelling Unit Leader
 - Ricky Owen, Senior Station Officer – Atmospheric Monitoring Team Leader
 - Glen Proebstl, Senior Station Officer – Atmospheric Monitoring Team Leader
 - Darren Padgett, Senior Station Officer – Atmospheric Monitoring Team Leader

- Paul Caligari, Senior Station Officer – Atmospheric Monitoring Team Leader
- **Department of Health Victoria**
 - Vikki Lynch, Advisor Health Risk Management
 - Sita Balshaw, Health Scientist
 - Nathalie Allaz-Barnett, Senior Health Scientist
 - Robert McKenzie, Senior Health Scientist
 - Gavin Scott, Senior Health Scientist
- **Environment Protection Authority Tasmania**
 - Ellis Cox, Technical Officer (Air Monitoring)
 - John Innis, Senior Scientific Officer (Air Monitoring Coordinator)
- **Environment Protection Authority Victoria**
 - Mark Bannister, Senior Analyst
 - Chris Bydder, Team Leader Metro
 - Jason Choi, Technical Officer -Air
 - Malcolm Cooper, Operations Coordinator
 - Wal Delaney, Air Quality Scientist (now retired)
 - Sean Walsh, Senior Air Quality Scientist EPA during incident [currently Research Fellow (Bushfire Risk Assessment), Department of Forest and Ecosystem Science, University of Melbourne]
 - Gavin Fisher, Senior Applied Scientist Air - Air Emissions Management
 - Eammon King, Technical Specialist - Air Quality
 - Anne Lovett, Associate Broker
 - Tim Lubcke, Technical Officer - Air
 - Andrew Marshall, Associate Analysts
 - Asanka Pathiratne, Operations Coordinator - Systems and Information
 - Michael Robinson, Technical Officer Chemistry
 - Paul Torre, Senior Applied Scientist Air and Odour
 - Dane Rodgers, Technical Officer - Air
 - Syed Hasnain, Specialist Applied Scientist - Environmental Chemistry
- **Metropolitan Fire Brigade**
 - Barry Byrne, MFB Scientific Advisor
 - Dr Nick Perkins, MFB Scientific Advisor
 - Craig Tonks, MFB Scientific Advisor



Werner Strauss Clean Air Achievement Awards Presented

The Victoria and Tasmania branch of CASANZ has recognised the outstanding contribution to air quality made by Dr Paul Torre and EPA Tasmania's BLANKET Project, awarding both the prestigious annual Werner Strauss Clean Air Achievement Award.

EPA air quality scientist Dr Paul Torre was recognised for his dedication and expert input throughout the Hazelwood Mine fire incident, and the subsequent inquiry, as well as his long-term service to the protection of air quality in Victoria. This is the second time that an EPA scientist has received this award since it was established in 2008. The other EPA scientist was Dr Lyn Denison.

Fire broke out at the Hazelwood Mine on 9 February 2014, and burnt for 45 days, leaving nearby Morwell shrouded in smoke and ash for weeks. The EPA and Dr Torre undertook a range of air quality monitoring tests throughout the incident.

The BLANKET program (Base Line Air Network of EPA Tasmania) was also recognised for excellence in air quality. BLANKET monitors the spatial extent of smoke events produced by planned burning, and is also used to monitor wood smoke produced in winter by domestic heaters, bushfire smoke in summer, and to provide a general measure of air quality at other times.

According to the Minister for Environment, Parks and Heritage, Matthew Groom, the program is also able to "collect and report meteorological data, such as air temperature and wind speed. The purpose of BLANKET is to obtain air quality data across Tasmania. Prior to BLANKET air quality monitoring was conducted only in Hobart, Launceston, and the lower Tamar."

Live feeds of the BLANKET data are used by the Department of Health and Human Services and the Asthma Foundation of Tasmania to provide air quality advice. A car-based mobile system, known as Travel BLANKET, has also been developed and is used in many areas of Tasmania to monitor smoke.

The program has been used to monitor air quality during major incidents, including the Longford tyre depot fire in 2012, and the Hazelwood mine fire in Victoria earlier this year.

This award commemorates the work of air scientist Professor Werner Strauss, and is awarded annually for achievements in air quality work. Congratulations to all 2014 award winners.



Ms Polly Straus presenting the Werner Strauss Clean Air Achievement award to Dr John Innis (left) and Dr Paul Torre (right)

EPA ramps up Latrobe Valley air quality monitoring

The Environment Protection Authority (EPA) has improved its air quality monitoring capabilities in Victoria's Latrobe Valley.

The EPA was widely criticised during the Hazelwood mine fire this year for taking too long to make air pollution data available.

It now has monitoring stations for fine particles and carbon monoxide at Morwell South, Morwell East and Traralgon and it is installing stations at Moe and Churchill.

The EPA's principal air quality expert, Dr Paul Torre, said the air in the Latrobe Valley was being more closely monitored.

"I think we learnt quite a lot in terms of how we can respond to areas of a lot of smoke," he said.

"There's quite a lot of work in the background trying to look at cheaper smart sensors that can give us alerts of smoke ... there's also quite a bit of research now being done through the CRC [cooperative research centre] for emerging incidents, where they're looking at trying to better model some of these smoke impacts to provide adequate time for alerts." 7 November, 2014

Climate Change Poses Risk of Irreversible Impacts: IPCC Report

Human influence on the climate system is clear and growing, with impacts observed on all continents. If left unchecked, climate change will increase the likelihood of severe, pervasive and irreversible impacts for people and ecosystems. However, many options are available to adapt to climate change and to reduce greenhouse gas emissions to ensure the risks from climate change remain manageable, creating a brighter and more sustainable future.

These are some of the key conclusions from the Synthesis Report by the Intergovernmental Panel on Climate Change. The Synthesis Report distils and integrates the findings of the IPCC Fifth Assessment Report produced by over 800 scientists and released over the past 13 months – the most comprehensive assessment of climate change ever undertaken.

IPCC report authors met with government representatives in Copenhagen during the last week of October to finalise the "Summary for Policymakers" of the report. IPCC Chair Dr Pachauri opened the meeting by saying the report points to solutions to tackle climate change. "We still have time to avoid the most serious impacts of climate change," he said. "But we have precious little of that time".

Two climate scientists associated with the New Zealand Climate Change Centre participated in the meeting. Dr Andy Reisinger, Deputy Director of the New Zealand Agricultural Greenhouse Gas Research Centre was a member of the core writing team for the draft report, and Dr David Wratt of NIWA and Victoria University attended as a member of the IPCC Bureau

The Synthesis Report says it is 95 per cent certain that emissions of greenhouse gases and other anthropogenic drivers have been the dominant cause of observed warming since the mid-20th century, and recent climate changes (regardless of their cause) have already had widespread impacts on human and natural systems. Continued emissions of greenhouse gases will cause further warming and long-lasting changes in climate system, increasing the likelihood of widespread and profound impacts affecting all levels of society and the natural world, the report finds.

The Synthesis Report makes a clear case that challenges are particularly large for least developed countries and vulnerable communities, including marginalized people within countries, given their more limited ability to cope.

The report finds that adapting to climate change can play a key role in addressing these risks, but there are limits to its effectiveness, especially with greater magnitudes and rates of climate change. Substantial and sustained reductions of greenhouse gas emissions are at the core of limiting the risks of climate change.

Dr Reisinger says: "Reducing emissions reduces the rate as well as the magnitude of warming; this not only reduces its impacts but also increases the time available for adaptation to a particular level of climate change, potentially by several decades."

Substantial emissions reductions over the next few decades, with near-zero global emissions of CO₂ by the end of the 21st century, would be needed to limit warming to 2°C above preindustrial levels – the goal set by Governments. Dr Reisinger says: "Implementing such reductions poses substantial technological, economic, social and institutional challenges, and there are multiple paths for how we could achieve that goal. But the challenges will increase if we delay additional global mitigation to 2030 or exclude some technologies".

The report offers a strong recognition that international cooperation is crucial for effective global reductions in greenhouse gas emissions, but that cooperation across and within countries can also enhance efforts to adapt to climate change

Dr Andrew Tait, Director of the New Zealand Climate Change Centre, who was one of the Lead Authors for the Australasia chapter of the Working Group 2 report says: "From this report it is clear that international negotiations and national policy development to reduce greenhouse gas emissions remain vital. But in addition, long-term planning at regional and local levels in New Zealand will be crucial to reduce the risk of climate change impacts such as an increasing frequency of damaging floods, droughts and coastal inundation events".

The meeting was attended by 34 lead authors of the report and 270 government delegates from 114 countries to negotiate and approve the wording of the report summary, including a New Zealand Government delegation comprising officials from the Ministry for the Environment.

Full text of the “Summary for Policymakers” of the IPCC Synthesis Report is now available on the IPCC website (www.ipcc.ch). *NIWA – 3 November, 2014*

New CSIRO Software Opens Windows to Science

New software which offers scientists and researchers an easy way to analyse, model and visualise scientific datasets has been released by CSIRO.

The free software, known as Workspace, is purpose-built for scientific applications and allows researchers to present their findings through stunning visualisations.

Developed over the past eight years at CSIRO, Workspace has already been used for a wide range of projects, including natural disaster modelling, human movement and industrial and agricultural research.

One CSIRO team has already used the software to model and visualise simulations for storm surges and flash flooding, helping with disaster management planning. Working with the Australian Institute of Sport, another team has produced a 3D biomechanical computer model of different swimming strokes, allowing athletes to adjust their technique for maximum performance.

Dr John Taylor from CSIRO’s Digital Productivity Flagship said the software offered huge efficiency savings for researchers from all fields who work with datasets and complex analysis, freeing them up to spend more time focused on their scientific expertise.

“In institutions all around the world, researchers operate within similar workflows; sourcing data, analysing it, processing it – often using high-performance computing environments,” Dr Taylor said. “Very often, this involves a number of manual repetitive steps. Workspace makes these steps easy to automate. In one application, analysis that had previously taken two weeks to conduct manually was carried out in less than an hour.”

“Scientists also need to publish the outcomes of their research. Workspace allows them to easily release the software and analysis that backs up their findings.” According to Dr Taylor, another advantage of Workspace is that users don’t need advanced programming skills and it runs on many different platforms and environments.

“At the moment, scientists often have to write their own purpose-built code from scratch – even when this is not their primary skill set,” he said. “This approach is inefficient, prone to error, difficult to reproduce by other scientists and unsuitable to take into the commercial world. Workspace can be used by non-software experts, allowing scientists from all over the globe to use the same platform and collaborate seamlessly on projects.”

As well as these benefits, Workspace’s data visualisations can help scientists make their research more understandable and accessible.

“If others can easily grasp what your science means, this opens it up to brand new audiences,” Dr Taylor said. “This not only helps researchers engage with the public, but it also allows them to reach out to other collaborators in the science community and industry.”

Workspace has already been used successfully by scientists at University College London, and locally by research institutions including the Australian National University, Macquarie University and the University of New South Wales.

Workspace is free to download for research purposes and can be licensed for commercial applications. Learn more about Workspace and download the software at www.csiro.au/workspace
CSIRO, 27 October, 2014

Research Opportunity - Air Pollution Researcher

National University of Mongolia (NUM) - School of Engineering and Environmental Studies

Duration: 10 months

Proposed Start: March 2015

The National University of Mongolia (NUM), the first higher education institution in Mongolia, was established in 1942. Faculties include: Medicine, Zootechnology and Pedagogy; and Departments of Zoology, Biology, Mathematics and Physics, Organic Chemistry and Inorganic Chemistry and Anatomy.

The vision of NUM is to be a world-class institution of excellence in research, innovation and entrepreneurship for sustainable development.

NUM strives to: develop a research and innovation policy and strategic plan for the university; identify and exploit alternative sources of funding for research conducted by NUM researchers and students; build capacity in proposal development, project implementation and report writing (including publishing in peer reviewed journals); develop a university wide mentoring program for junior scientists and researchers; and promote collaboration among university-industry-government as a triple helix.

The Air Pollution Researcher will work with the National University of Mongolia, in the School of Engineering and Environmental Studies, to enhance techniques for measuring instrument calibration, pollution source identification and data analysis.

The volunteer will first identify current calibration procedures and conduct a needs assessment regarding calibration techniques. Working with local specialists, the volunteer will calibrate measuring instruments for local conditions, including: extreme cold weather, ice formation in the air, humidity saturation, and different density of air particles. The volunteer will train staff to calibrate, as well as identify and apportion different pollution sources of Ulaanbaatar. In collaboration with staff the volunteer will process and interpret air pollution data, providing training as required.

These objectives will contribute to the research of air pollution, a serious problem in the capital city, and work towards improving health in the community. For further information, [click here](#). Applications Close 21 November, 2014

6. Calendar of Environmental Events in 2014/15

Event	Date	Location	Link
Noise and Health Seminar – Free Event Centre for Air quality and health Research and evaluation (CAR) in conjunction with NSW Health, the Australian Acoustical Society (NSW Branch) and the Centre for Integrated Research and Understanding of Sleep (CIRUS)	21 Nov, 2014	Sydney, Australia	Click here
2014 Climate Change Adaptation for Local Government & Public Sector Conference	4 Dec, 2014	Melbourne, Australia	www.govclimate.com.au
4 th ScienceOne International Conference on Environmental Sciences	21-23 Jan, 2015	Dubai, UAE	http://thescienceone.com/ices/
ICAPC 2015: International Conference on Air Pollution and Control	2-5 Feb, 2015	Paris, France	Click here
The Air Quality and Emissions Show 2015	22-23 Apr, 2015	Telford, UK	Click here
34 th International Technical Meeting on Air Pollution Modelling and its Application	4-8 May, 2015	Montpellier, France	http://www.int-tech-mtng.org/ITM34/index.html
Air Pollution 2015	1-3 Jun, 2015	Valencia, Spain	Click here
Asian Aerosol Conference (AAC2015)	24-27 Jun, 2015	Kanazawa, Japan	http://aac2015.w3.kanazawa-u.ac.jp/
Australia New Zealand Aerosol Assembly (ANZAA), 11 th Annual Workshop	22-24 July, 2015	Newcastle, NSW, Australia	www.casanz.org.au
22 nd International Clean Air and Environment Conference	20-23 Sept, 2015	Melbourne, Australia	Save the date!