



Advanced Air Quality Management Workshop

Sydney Convention Centre, 7 September 2013, 8.30 am to 5.30 pm

PROGRAM

Registration			8.30 – 8.45
Welcome - Prof. Howard Bridgman, CASANZ President			8.45 – 9.00
Opening Address: Air Quality Priorities in Australia and New Zealand Dr Ian Galbally, CSIRO			9.00 – 9.30
Advances in Emission Quantification & Regional Inventories <ul style="list-style-type: none"> Advances in emission estimation and modelling. State of regional emission inventories Facilitator: Dr Greg Yarwood, ENVIRON			9.30 – 12.00
Nick Agapides NSW EPA	Biogenic and geogenic emission estimation advances	15 min	9.30- 9.45
Dr John Todd, Director, Eco-Energy Options Pty Ltd, Hobart	Real world emission estimation for wood heaters	10 min	9.45- 9.55
Dr Yvonne Scorgie NSW OEH	Non-road diesel and locomotives	10 min	9.55- 10.05
Judith Cox PEL	Emission factor development and mobile monitoring applications within the coal mining industry	10 min	10.05- 10.15
Dr Robin Smit Qld Dept. Science, Information Technology, Innovation and the Arts	Vehicle emission estimation techniques and development of COPERT Australia	15 min	10.15- 10.30
TEA			10.30 – 11.00
Nick Agapides NSW EPA Dr Robin Smit Qld Dept. Science, Information Technology, Innovation and the Arts Dr Paul Torre Vic EPA Pushan Shah EPA, South Australia	Overview of Regional Air Emission Inventories in Australia: <ul style="list-style-type: none"> NSW GMR South East Queensland Victoria Adelaide 	40 min	11.00 – 11.40
Panel Discussion	Open discussion of developments and work needed	15 min	11.40 – 11.55
Session Chair	Summary of significant advances and key information gaps	5 min	11.55- 12.00

Photochemistry and Secondary Particulate Modelling Key questions: <ul style="list-style-type: none"> How good do our source inventories have to be to support this modelling? Which models and methods are appropriate for application in Australia? And how well are they likely to perform? What progress is needed to support the application of such modelling to support air quality management policy and planning? Facilitator: Dr Mark Hibberd, CSIRO			12.00 – 2.30pm
Dr Greg Yarwood ENVIRON	International perspective (US and Europe)	20 min	12.00-12.20
Dr Martin Cope CSIRO	Developing a fine particle modelling framework as part of the Sydney Particle Study	20 min	12.20-12.40
Hiep Duc / Michael Johnson NSW OEH	Ozone modelling and source contribution analysis for AQMP purposes in NSW	20 min	12.40 – 1.00pm
LUNCH			1.00pm – 2pm
Panel Discussion	Open discussion of developments and work needed	25 min	2pm – 2.25pm
Session Chair	Summary of significant advances and key information gaps	5 min	2.25 – 2.30
Particle Speciation and Source Apportionment Key questions: <ul style="list-style-type: none"> How is organic and inorganic speciation of particles done in Australia – and how does this compare to methods implemented overseas? What models and methods are available to support the use of particle speciation for source apportionment? Where is this method being successfully applied in Australia to inform air quality management? How important is sea salt to fine particle concentrations? How can we integrate particle size distribution and particle number data with particle speciation data for improved source apportionment? Facilitator: Dr Dennys Angove, CSIRO			2.30 – 4.20pm
Dr Adrian Friend Queensland University of Technology	Overview of Particle Source Apportionment Studies in Australia and New Zealand	15 min	2.30- 2.45
Dr Melita Keywood CSIRO	International advances in particle speciation and how speciation in the Sydney Particle Study stacks up	15 min	2.45- 3.00
Dr David Cohen ANSTO	Using local advances in source apportionment methods in the ASP and A-PAD studies	15 min	3.00- 3.15
Dr Mark Hibberd CSIRO	Lessons learned from the Upper Hunter Fine Particle Characterisation Study	15 min	3.15- 3.30
Dr Perry Davy GNS Science, New Zealand	Advances in source apportionment; integrating time-resolved sampling	15 min	3.30- 3.45
TEA			3.45 - 4pm
Panel Discussion	Open discussion of developments and work needed	15 min	4.00- 4.15
Session Chair	Summary of significant advances and key information gaps	5 min	4.15- 4.20

Air Quality Management <ul style="list-style-type: none"> Advances in the management of significant sources, with a focus on fine particles. Facilitator: Nick Agapides, NSW EPA			4.20– 5.30pm
Dr Greg Yarwood ENVIRON	Major Strategies implemented in California to Address Fine Particles	10 min	4.20- 4.30
David Robinson NSW EPA	Upper Hunter Air Particles Action Plan	10 min	4.30- 4.40
Rapunzel Mulawin NZ MfE	Managing Wood Smoke Emissions in New Zealand	10 min	4.40- 4.50
Bob Hyde and John Innis TAS EPA	Managing Particle Emissions, TAS EPA	10 min	4.50- 5.00
TBD	Implementation of an Exposure Reduction Framework for Fine Particles – the EU Experience	10 min	5.00- 5.10
Panel Discussion	Open discussion of developments and work needed	10 min	5.10- 5.20
Session Chair	Summary of significant advances and key information gaps	5 min	5.20- 5.25
Close Workshop			5.30