

# CLEAN AIR forum 2010

## THE COLES THEATRE

Thursday 19 August 2010  
Powerhouse Museum, 500 Harris Street, Ultimo, Sydney

### PROGRAM

Facilitated by Jenny Brockie

08:30 Coffee and registration

09:00 Housekeeping

09:05 *Welcome to Country*

Mr Allen Madden

### Future-focused technologies for cleaner air and greenhouse gas reduction

09:10 Minister's opening address

The Hon. Frank Sartor MP  
Minister for Climate Change and the Environment

09:20 A plan for a sustainable future using wind, water, and sun

Keynote address Professor Mark Jacobson, Stanford University

10:20 *Morning tea*

### Science and technology

11:00 Air quality in a warming world –  
modelling the impacts of different technologies

Dr Martin Cope, CSIRO

11:30 Plug-in vehicles with smart grids

Dr Andrew Simpson, Curtin University

12:00 GreenFox program

Mr David McInnes, Linfox

12:20 Environmental and economic benefits  
of new technologies

Professor Mary O'Kane,  
NSW Chief Scientist and Scientific Engineer

12:40 **Panel discussion and questions** with Mark Jacobson, Martin Cope, Andrew Simpson, David McInnes and Mary O'Kane

13:00 *Lunch*

14:00 Actions to improve air quality

Ms Lisa Corbyn,  
Director General, DECCW

### Air quality and health – Introduced by Professor Wayne Smith, NSW Health

14:15 Health impacts of bushfires

Associate Professor Geoff Morgan, Northern Rivers  
University Department of Rural Health–University of Sydney

14:25 Human exposures to air pollutants: indoors and out

Ms Christine Cowie, Woolcock Institute of Medical Research

14:35 Co-benefits of active transport

Associate Professor Chris Rissel,  
Sydney South West Area Health Service

14:45 **Panel discussion and questions** with Geoff Morgan, Christine Cowie and Chris Rissel

### Emission reduction actions

15:00 Sustainable transport initiatives

Mr David Gray, Parramatta City Council

15:10 Shaping Sydney Transport

Ms Mohini Nair, Transport NSW

15:20 Community views

Mr Jeff Angel, Total Environment Centre

15:30 Local government issues

Cr Genia McCaffery, Local Government Association

15:40 **Panel discussion and questions** with David Gray, Mohini Nair, Jeff Angel, Genia McCaffery and Lisa Corbyn

16:00 **Debate and open forum session**  
*Will technology save us?*

**Facilitated by Jenny Brockie**  
Panel of 4 debaters and open audience forum

16:45 Forum close

## WELCOME to the 2010 Clean Air Forum

The Clean Air Forum 2010 is the fourth Clean Air Forum held under **Action for Air**, the NSW Government's 25-year air quality management plan. **Action for Air** is a key component for meeting the clean air and greenhouse gas targets set out in the NSW State Plan. The NSW Government holds the Clean Air Forum triennially, bringing together people from industry, academia, government and the community to discuss the progress made on air quality and future endeavours.

Key themes for the 2010 Forum are:

- future focused technologies for air quality and greenhouse gas reduction
- actions to improve air quality
- links between air quality and climate change
- innovative actions by business and local government to improve air quality
- health impacts of air quality
- air quality links with planning and transport
- future directions of air quality management in NSW

*The Forum includes a varied range of interesting speakers. We hope you enjoy the 2010 Clean Air Forum.*

## Speakers at the Clean Air Forum



### The Hon. Frank Sartor MP

**Minister for Climate Change and the Environment;  
Minister Assisting the Minister for Health (Cancer)**

Frank Sartor was elected to the NSW Parliament in 2003 representing the electorate of Rockdale. Prior to this, Frank served as Lord Mayor of Sydney for eleven and a half years – Sydney's longest serving Lord Mayor. During this time Frank participated in the hosting of the Sydney Olympics as Mayor of the host city.

He was first appointed as a Minister in April 2003, becoming Minister for Energy and Utilities, Minister for Science and Medical Research, Assistant Minister for Health (Cancer) and Assistant Minister for the Arts. He introduced the Water Saving Fund, established the State Cancer Institute and introduced smoking bans in pubs and clubs.



### Lisa Corbyn

**Director General, Department of Environment, Climate Change and Water**

Lisa Corbyn is the Director General of the Department of Environment, Climate Change and Water. The Department brings together a range of climate change, environment protection, water resources, coastal, biodiversity, conservation and natural resources agencies and programs, including the National Parks and Wildlife Service, Environment Protection Authority, the Botanic Gardens Trust, and the NSW Office of Water.

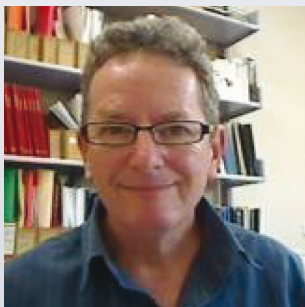
Lisa has had a varied career as a senior manager in both the public and private sectors in Australia. She worked for over 10 years for the US Environmental Protection Agency prior to moving to Australia. She currently chairs the NSW Climate Change Science Network which advises on science priorities for adaptation to climate change.



**Professor Mark Z. Jacobson**

**Department of Civil and Environmental Engineering, Stanford University**

Mark Jacobson is Director of the Atmosphere/Energy Program and Professor of Civil and Environmental Engineering at Stanford University. He studies the effects of energy systems and vehicles on climate and air pollution. Mark's findings on the links between black carbon and radiative forcing provided the original scientific basis to four currently proposed environmental laws in the US. In 2005, he received the American Meteorological Society Henry G. Houghton Award for 'significant contributions to modelling aerosol chemistry and to understanding the role of soot and other carbon particles on climate'.



**Dr Martin Cope**

**Principal Research Scientist, Deputy Program Leader, Weather and Environmental Prediction Program, Centre for Australian Weather and Climate Research, CSIRO**

Martin Cope has worked at CSIRO for 12 years, specialising in air quality modelling and its applications. He works with national and international clients on strategic air quality projects such as the relationship between climate change, air quality and health and the relationship between urban and rural pollution sources, population exposure and health impacts. He is also investigating the impact of alternative motor vehicle fuels on urban air quality; particles from anthropogenic and natural sources; the strategic assessment of photochemical smog impacts; and short-term air quality forecasting systems.



**Dr Andrew Simpson**

**Senior Research Fellow, Curtin University**

Andrew Simpson is a Senior Research Fellow at the Curtin University Sustainability Policy Institute. He has expertise in sustainable energy and transport systems from working in the renewable energy, electric power and hybrid/electric vehicle industries in Australia and USA for over 10 years – including Tesla Motors in California and the National Renewable Energy Laboratory in Colorado. He joined Curtin University to focus on plug-in vehicles, smart grids and renewable energy. He consults to a wide variety of electric vehicle stakeholders around Australia.



**David McInnes**

**Group Manager, Environment and Climate Change, Linfox Pty Limited**

David McInnes is Group Manager for Linfox, an Australian-based logistics company with over 20,000 employees in 11 Asia-Pacific countries and \$2billion turnover. David designed and implemented Linfox's Carbon Emissions Reduction Program, which delivered a 28% reduction in greenhouse gas emissions over three years and is recognised as leading industry practice by industry, the media and the federal Minister for the Environment. David is a holder of the Australian Public Service Medal awarded for services to the transport, energy and mining industry and in 2009 was trained by Al Gore as a Climate Project Presenter.



**Professor Mary O'Kane**

**NSW Chief Scientist and Scientific Engineer  
Executive Chairman, Mary O'Kane & Associates Pty Ltd**

Mary O'Kane is the NSW Chief Scientist and Scientific Engineer and also Executive Chairman of Mary O'Kane & Associates Pty Ltd. She sits on a range of boards and committees including being chair of the Australian Centre for Renewable Energy and the CRC for Spatial Information. She also leads major reviews and was the chair of the most recent Review of the Bureau of Meteorology.



**Associate Professor Geoff Morgan**

**Deputy Director  
Northern Rivers University Department of Rural Health–University of Sydney**

Geoff Morgan has more than 15 years experience in epidemiological research, as well as environmental health policy and education. His current work includes epidemiological studies into the health effects of smoke from various sources including bushfires and wood heaters, the effects of the quality of drinking water on health, and the health effects of heatwaves. Geoff has a joint appointment with the Northern Rivers University Department of Rural Health and the North Coast Area Health Service.





**Christine Cowie**  
**Woolcock Institute of Medical Research**

Christine Cowie is an environmental epidemiologist engaged in research at the Woolcock Institute of Medical Research. She is currently responsible for the *Air Quality & Respiratory Health Study*, a large cohort study focused on health and air quality around the Lane Cove Tunnel, Sydney. Christine has previously taught Environmental Health at the University of Sydney, and worked in environmental health policy at the NSW Health Department, firstly in lead pollution-related issues and as Manager of the Water Unit.



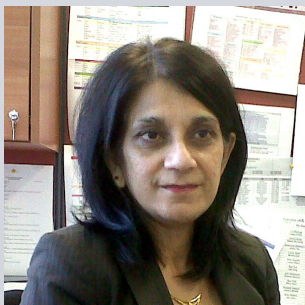
**Associate Professor Chris Rissel**  
**Director, Health Promotion Service, Sydney South West Area Health Service; Clinical Associate Professor in Public Health, University of Sydney**

Chris Rissel has worked on health promotion since 1985. He has a PhD in Epidemiology and is a Clinical Associate Professor in Public Health at the University of Sydney. He has just stepped down as President of the NSW Branch of the Australian Health Promotion Association and as Editor-in-Chief of the *Health Promotion Journal of Australia*. Chris's current research focuses on obesity prevention and active transport, cycling advocacy, and tobacco control. He is currently leading the South West Area Health Service's program for obesity prevention and is one of the authors of *Cycling: Getting Australia Moving*.



**David Gray**  
**Senior Transport Planner, Parramatta City Council**

David Gray has over 14 years experience in transport planning. In 2001 he worked on the London Bus Initiative, managing 35 agencies on 70 strategic bus routes across London. In 2004 David became the Transport Planning Manager for Parramatta City Council. His work included developing the free city centre bus service, and managing a diverse and complex stakeholder group to identify new city centre bus routes. David has also lobbied the NSW State Government to retain the Parramatta ferry service, worked with the Ministry of Transport to improve local bus services and with the RTA to deliver additional bus priority. He has prepared Council's Integrated Transport Plan to accommodate planned growth.



**Mohini Nair**  
**Acting Director, Centre for Transport Planning, Transport New South Wales.**

Mohini Nair is currently acting Director Centre for Transport Planning at Transport NSW. Prior to this she has worked as the General Manager Strategy and Metro Products with Sydney Metro Authority, Director Planning at the Redfern Waterloo Authority, Senior Advisor to the Property Council of Australia and Manager Strategic Planning at the City of Sydney Council. Mohini has a strong background in strategic and statutory planning with a focus on integrating land use, transport and urban renewal.



**Jeff Angel**  
**Executive Director, Total Environment Centre**

Jeff Angel is the Executive Director of the Total Environment Centre and one of Australia's long-term environmental campaigners. He has worked across a broad range of issues since 1973, including urban sustainability, recycling, air pollution, public transport, forest protection, threatened species, coastal planning, corporate environmental sustainability and renewable energy. In 2008 Jeff published his book *Green is Good*. He was part of the lead-free petrol campaign and a major negotiator in the effort that gave rise to *Action for Air*.



**Councillor Genia McCaffery**  
**Mayor of North Sydney**

Genia McCaffery is the Mayor of North Sydney and is committed to managing development within North Sydney, including protecting the environment and maintaining strong community involvement in local government. Genia is also the President of the NSW Local Government Association and a member of the Local Government Executive. She is on the Board of the Sydney Metropolitan Catchment Management Authority, the NSW Environment Protection Authority, and the NSW Environmental Trust.