

# Your Day's Program

# Ten Years to Transition

## *Conversations about Risks and Rewards for Queensland's Economic Sectors Under Climate Change*



### VENUE

**Date:** Monday

18 October 2010

**Time:** 8.30am – 5.00pm

(Registration 8.00am,  
Drinks 4.45pm)

**Venue:** Hilton Brisbane,  
190 Elizabeth Street,  
Brisbane

**Register - [http://](http://www.eianzseq.org)**

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### Session and Topics

### Speaker

#### Session 1 8.45am – 10.30am *Three futures to 2050 and what this means for the next 10 years*

8.45	Welcome	Mary Maher Susanne Cooper
8.50 - 9.05	Formal opening	Michael Choi Professor Paul Greenfield

#### 9.05 - 10.05 **Making the transition: Four Queensland futures 2050**

Global Future – An international perspective on the key challenges	Peter Young
Big picture – projected climate change related trends shaping Queensland's economy 2050	Euan Morton
Queensland got it wrong – steps to a failed economy 2020, 2050	Prof. Malcolm McIntosh
Queensland got it right – steps to a sustainable economy 2020, 2050	Prof. John Quiggin

#### 10.05 - 10.30 **Conversation #1 - Queensland's Future Economy**

#### Session 2 11.00am – 1.00pm *Powering Up, Down and Across – a roadmap for the electricity sector*

11.00	Queensland's stabilisation wedges The Road mapping tool	Ian Bridge Susanne Cooper
11.10 - 11.25	The context: Queensland sectoral analysis for carbon cost abatement	Ben Kearney

#### 11.30 - 12.15 **Energy sector leaders present their key challenges, opportunities and decision points**

1. Gas to electricity – the big State solution?	Trevor St Baker
2. Coal's role in the energy sector's transition?	Peter Morris
3. Renewables – can they be scaled up?	Mark Diesendorf

#### 12.15 - 1.00 **Conversation #2 - Energy Future** *Constructing a road map of risks, opportunities and milestones for the energy sector to 2020 and beyond*

#### Session 3 1.45pm – 3.45pm *Roadmaps for several industry sectors*

1.45 - 2.15	Agriculture – the road map to food and fuel security	Prof. Kaye Basford
	Biofuels – Queensland's contribution to fuel security	Heather Brodie
	Transport – achieving sustainable mobility	David McInnes
2.15 - 2.30	Manufacturing – a decade of tough decisions	Stuart Ritchie
2.30 - 2.45	Built Environment and our urban footprint	Jeremy Mansfield

#### 2.45 - 3.45 **Conversation #3 - Industry Sector Road Maps of the risks, rewards, milestones to 2020 and beyond.**

#### Session 4 4.05pm – 4.45pm *So what, and what now?*

#### 4.05 - 4.20 **Conversation #4 - Risks, rewards, uncertainties, milestones from the roadmap conversations; implications for Queensland policy and sector decisions, setting Queensland's economy on the right path in the next 10 years.**

4.20 - 4.30	Close	Sue Ryan
4.30 - 4.45	Synthesis	Mary Maher Susanne Cooper
4.45 - 5.30	Forum networking	



# Speaker Abstracts

## Peter Young

Peter will present an overview of international trends and responses to starting the transition to a low carbon economy, with a focus on the UK and Europe and implications for Australia. The three key issues to be addressed and the solutions so far developed will be reviewed, considering the roles of government and the private sector, and how economies will benefit from getting the right policy environment in place.

## Euan Morton

Euan's presentation will provide an overview of the Queensland economy and in so doing he will highlight the key drivers of economic growth and the State's main exposures to climate change. He will then consider some of the challenges policy makers must confront in order to ameliorate the impact of climate change on this State.

## Prof. Malcolm McIntosh

The transition to a sustainable enterprise economy has been slow, as expected. The ability of people around the world and in Queensland to adapt to the new reality has been painful and has required radical changes to lifestyle and behaviour. The distance that Qld had to travel was greater than almost any other economy; and, whilst there has been some change, not enough has happened in the first half of this century.

## Prof. John Quiggin

Climate change and the need for global responses will drive major changes in the Queensland economy, with benefits for some industries and costs for others. As in the past, such structural changes pose a challenge, and face resistance, sometimes founded on real economic concerns, but often reflecting wishful thinking and the desire to stick with an unsustainable 'business as usual'. John will describe some of the changes we are facing, and the opportunities and threats posed by those changes.

## Ben Kearney

Ben will discuss the opportunities and costs for abatement across the Queensland economy, from a statewide abatement cost curve study conducted for the Qld State Government recently. The implications and challenges for key affected sectors and industries will be discussed, along with policy implications for a successful transition to a low carbon economy for Queensland.

## Trevor St Baker

Gas-fired generation will be the transitional low-emission generation fuel, complementing renewables and replacing retiring coal-fired generation, to meet growing electricity demands over the next decade, at least. In the longer term, smart grids and remotely controllable metered power switches will transform electricity end-use utilization, including the electrification of the transport sector, facilitate distributed generation, and end-use greater energy efficiencies.

## Peter Morris

Coal is mined in over 70 countries. It is the world's principle source of electricity with demand growing faster than any other energy source. Such electricity generation is also a major source of greenhouse gas emissions here and overseas. Queensland is the world's largest exporter of coal by value and thermal coal provides the majority of its electricity. The coal industry has made the development and demonstration of low emissions coal technologies the central focus of its approach to dealing with climate change.

## Dr Mark Diesendorf

Renewable energy, together with energy efficiency, could achieve deep cuts in CO<sub>2</sub> emissions from the energy sector by 2020. To achieve this while creating many new jobs in Queensland, appropriate policies must be implemented by the federal and state governments.

## Prof. Kaye Basford & Heather Brodie

Agriculture offers unique opportunities to enhance Australia's food and fuel security. Kaye and Heather will illustrate the possible future for both sectors, briefly exploring the risks and rewards for biofuels, the essential policy steps and a transition plan for 2010-2020.

## David McInnes

In this presentation the strategies employed to produce a reduction in the rate of greenhouse gas emissions by 28% over three years are described as part of the Linfox journey to a 50% reduction in the rate of emissions by 2015.

## Stuart Ritchie

Cement manufacturing is widely regarded as a conservative and slow moving industry, but has made significant inroads with respect to its carbon footprint. The increasing challenge is what does the future hold for this industry, as an exemplar of manufacturing in general, as society grapples with climate change.

## Jeremy Mansfield

Imagine a future of climate positive, sustainable cities that provide affordable places to live, work and play. Is this just a dream or can it be our reality for Queensland in 2050? With the same energy and passion that we have been building green buildings, we must transition green precincts to City scale addressing our urban footprint, liveability, climate change and addressing the housing affordability crisis. This session will discuss the key challenges and opportunities to developing our Cities.

# About our Speakers



As Chair of the Aldersgate Group, **Peter Young** has worked with UK government on developing high level policies for competitive advantage in a low carbon economy, as well as companies, specialist investors and regional bodies to help them exploit opportunities throughout the environmental technologies and services sector.



**Euan Morton** is Director of EcoFund, a Queensland Government initiative to expand protected estate. He is a Principal of Synergies Economic Consulting where he advises on economic policy, infrastructure, sustainability and impact assessment. Euan's other board memberships reflect his environmental, social and academic interests. In addition to Ecofund Queensland, Euan is a director of AEIOU, the Economics and Law Research Unit at the University of Queensland and Partners for Livable Communities Australia. Euan is also a member of the Office of Clean Energy's Advisory Committee.



**Prof. Malcolm McIntosh** is Director of the Asia Pacific Centre for Sustainable Enterprise at Griffith Business School. He is also a Visiting Professor of Human Security and Sustainable Enterprise in the Centre for Peace and Reconciliation, Coventry University, England; Visiting Professor, Department of Civil Engineering, University of Bristol, England; and, Professor Extraordinaire, Sustainability Institute, Stellenbosch University, South Africa. He was a Special Advisor to the UN Secretary-General's Global Compact.



**Prof. John Quiggin** is a Federation Fellow in Economics and Political Science at the University of Queensland. He is prominent both as a research economist and as an active contributor to Australian public debate on Australian economic policy, including as a regular columnist for the *Australian Financial Review*. He has produced over 1000 publications on topics including climate change, micro-economic reform, privatisation, employment policy, environmental economics, risk analysis, production economics and the theory of economic growth.



**Ben Kearney** has over 15 years working and consulting in energy and greenhouse issues, including the design and implementation of the NSW Greenhouse Gas Abatement Scheme in 2003. He has developed multi-sector greenhouse abatement cost curves for 4 state governments, advised on energy efficiency barriers and potential, and advises businesses, governments and regulators in Australia and overseas on energy policy, regulation and pricing.



**Trevor St Baker** has more than 50 years experience in the electricity industry, having progressed from a cadetship and career with the Electricity Commission of New South Wales in 1957 to now head one of the largest private energy sector companies in Australia. He founded ERM in 1980 and has led the company to where it is today; one of Australia's leading energy solution specialists in the vanguard of new private sector investors in the Australian power industry, and the most successful new start retailer to enter the National Electricity Market, targeting large industrial, commercial and government agency customers.

**Peter Morris** is Director, Economic Policy at the Australian Coal Association. He was previously senior director at the Minerals Council of Australia and Chief Economist with the Australian Industry Group, and has worked in industry and the government sector.



**Dr Mark Diesendorf** is Deputy Director of the Institute of Environmental Studies at UNSW. His most recent books are "Greenhouse Solutions with Sustainable Energy" and "Climate Action: A campaign manual for greenhouse solutions", both published by UNSW Press.



**Professor Kaye Basford** has extensive experience in agricultural research and training, and in recognition of this, has been invited to give presentations in many countries. In 1998 she was awarded the highest possible accolade from the Australian Institute of Agricultural Science and Technology - the Australian Medal for Agriculture.

# About our Speakers



**Heather Brodie** was appointed Chief Executive Officer of the Biofuels Association in October, 2009. Heather has worked for more than fifteen years in commercial, business development and marketing roles in mines and energy, transport and logistics.



**David McInnes** is an experienced Linfox Manager with qualifications in Business, Education, Logistics and Sustainability. He has completed training with Al Gore and is currently undertaking postgraduate studies in Sustainable Business at Cambridge University.



**Stuart Ritchie** is currently the National Sustainability Manager with Cement Australia, Australia's largest cement manufacturer. Stuart's current role is based on an extensive environmental career across the cement and coal industries. Stuart has over 15 years experience in the cement industry including a recent two-year secondment to the peak cement industry body - the Cement Industry Federation in Canberra - as their Sustainable Development Policy Manager.



**Jeremy Mansfield** is the Regional Sustainability Leader for Bovis Lend Lease's Queensland operations, responsible for facilitating sustainability outcomes on projects and the strategic direction of the business supporting and advocating Lend Lease's aspiration to be a sustainable organisation. Jeremy is also the Chair of the Property Council of Australia's (Qld Chapter) Sustainable Development & Management Committee.



## Convenors

**Susanne Cooper** is the SKM Practice Leader for Sustainability Strategy and Evaluation. In this area, she has worked with diverse projects across all levels of government, multiple industry sectors and internationally, and been an invited speaker at numerous national and international conferences.



**Mary Maher** is director of a 20-year consultancy, Mary Maher & Associates, an environmental, corporate, urban and social planning consultancy. She has a background in tertiary education, and held senior policy positions in Brisbane City Council for 15 years., with appointments to two Board Directorships and several Government Panel positions. She now specialises in group facilitation, training and strategic planning, facilitating dialogue on Climate Change policy issues and framing responses of various sectors to the challenges at local, regional and national levels.

## Opening Speakers

Professor Paul Greenfield, Vice-Chancellor, University of Queensland

Michael Choi, Parliamentary Secretary to Stephen Robertson, the Minister for Natural Resources, Mines & Energy and the Minister for Trade

## Closing Speaker

Sue Ryan, Deputy Director General, Energy, DEEDI

## Organising Committee

David Carberry (SEQ EIANZ President), Laura Canevari Luzardo, Sebastian Vanderzeil, Evelyne Meier, Ian Bridge and Simon Cavendish

## Facilitators

David Carberry, Claire Gronow, Paul Locke and Norrie Sanders

More information at: [www.eianz.org](http://www.eianz.org)

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