

## 2014 PICCC Think Tank speakers

in program order



### Adam Fennessy

**Secretary, Department of Environment and Primary Industries**

Adam Fennessy was appointed Secretary of the Department of Environment and Primary Industries (DEPI) in April 2013. Adam leads the Department in boosting productivity in Victoria's world-class food and fibre sector, protecting Victoria's environment and managing the state's natural resources. Adam is a member of the national Agriculture Senior Officials Committee and the national Senior Officials Committee for Environment and Water. He was made a Victorian Fellow of the Institute of Public Administration Australia in November 2013, and is a Member of the Australian Institute of Company Directors. Prior to his current role, Adam was Acting Secretary of the former Department of Sustainability and Environment.



### Professor Tim Reeves

**Director, Timothy G. Reeves and Associates**

Tim Reeves is Chair of the Agriculture Forum in the Australian Academy of Technological Sciences and Engineering. He is also a Professorial Fellow at the University of Melbourne, and Director and Principal of Timothy G. Reeves and Associates, specialising in national and international consulting in agricultural research and development. Tim has extensive experience in research, development and extension on sustainable agricultural production systems in Australia and internationally, and has recently been working with the Food and Agriculture Organization of the United Nations on sustainable intensification of agriculture.



### David Lord

**CEO and Managing Director, Warrnambool Cheese and Butter**

David Lord holds an MBA from the Mt Eliza Business School and a Graduate Diploma in Business from Monash University. He is a member of the Australian Institute of Company Directors. Prior to joining Warrnambool Cheese and Butter, he was Managing Director and CEO of the Australian Division of Parmalat Australia. He has over 20 years of experience in the food industry. He joined Warrnambool Cheese and Butter (Saputo Dairy Division (Australia)) in 2010 as CEO and Managing Director.



### Dr Ralph Behrendt

**Senior Research Scientist, Department of Environment and Primary Industries**

Ralph Behrendt has more than 20 years' experience in research, development and extension within the wool and sheep meat industries. Research areas have included wool and lamb production from pasture/forages and nutritional management of ewes, lambs and weaners. Ralph worked in the team that delivered the Lifetimewool project, was the Proof Site Leader for the EverGraze Hamilton research site and was the supervising scientist for the Sheep CRC Information Nucleus Flocks at Hamilton and Rutherglen. His current work is focused on improving prime lamb production, lean meat yield and meat quality through management of maternal ewe condition score, and the use and manipulation of different pastures and forages to increase growth and reproduction in lamb systems.



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### Professor Robyn Warner

**Professor – Meat Science, University of Melbourne**

Robyn Warner has a PhD in food and meat science from the United States. She has previously worked as a senior principal research scientist and team leader for CSIRO, where she applied her meat science and muscle biochemistry training to problems confronting the meat industry. She has received international and national recognition for her role on the Meat Standards Australia food grading scheme, and was recently awarded the American Meat Science Association's International lectureship prize for her contributions to the field of meat science and technology.



### Dr Joe Jacobs

**Principal Scientist – Dairy, Department of Environment and Primary Industries**

Joe Jacobs' current research includes developing feed systems using a range of alternative forages, developing feeding systems based on partial mixed rations and mitigation and adaptation strategies for climate change. He is also the theme leader for feedbase and nutrition within the national research, development and extension strategy for the dairy industry.



### Associate Professor Richard Eckard

**Director, Primary Industries Climate Challenges Centre**

Richard Eckard's research focuses on strategies for reducing emissions from intensive grazing systems, and whole farm systems modelling of climate change adaptation and mitigation strategies in livestock production. He sits on science advisory panels for the Australian, New Zealand and United Kingdom governments and the Food and Agriculture Organization of the United Nations on climate change research in agriculture.



### Dr Sigfredo Fuentes

**Senior Lecturer – Wine Science, University of Melbourne**

Sigfredo Fuentes received his PhD in 2006 from the University of Western Sydney. Following his postdoctoral research he was appointed as a Research Fellow at the University of Adelaide in the Wine2030 program to investigate the effects of climate change on viticulture in Australia. His current scientific interests range from climate change impacts on agriculture, the development of new computational tools and sensors for plant physiology assessment, and short- and long-range remote sensing using robots, and both unmanned terrestrial and aerial vehicles.



### Dr Ian Goodwin

**Research Manager – Horticulture, Department of Environment and Primary Industries**

Ian Goodwin has over 30 years' experience in horticulture research and development with a focus on irrigation, fruit tree agronomy and viticulture production. His current research includes understanding the effects of climate extremes on fruit production, improving resource use efficiency in orchards and investigating innovative production systems to maximise quality of new red-blushed pears. Ian's additional role in DEPI is to manage horticulture research groups at Mildura, Bundoora and Macleod that work on viticulture and wine quality, post-harvest physiology of fruit crops, protected cropping and organic chemistry.

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## Dr Roger Armstrong

Senior Scientist, Department of Environment and Primary Industries

Roger Armstrong leads the soils research group at DEPI Horsham. He is an Adjunct Professor in Agronomy and Soil Science at La Trobe University and associate editor for *Crop & Pasture*. Roger has led or participated in numerous projects in areas including fluid fertilisers, improving nitrogen and phosphorus fertiliser use efficiency, measuring nitrous oxide emissions in mixed farming systems and understanding belowground processes under elevated atmospheric carbon dioxide.



## Dr Sabine Tausz-Posch

Lecturer – Crop Science, University of Melbourne

Sabine Tausz-Posch completed her PhD at the University of Graz, Austria. In 2009 she started as a Research Fellow at the University of Melbourne, working on the Department of Agriculture-funded AGFACE project studying crop traits under elevated carbon dioxide. Upon completion of her Research Fellow position in 2012, Sabine was appointed as the William Farrer Lecturer in crop science at the University of Melbourne.



## Associate Professor Bill Malcolm

Principal Scientist – Farming Systems, Department of Environment and Primary Industries

Bill Malcolm is an agricultural economist who has thought about, taught, researched, written and talked widely about agricultural economics, farm economics and resource economics at the University of Melbourne since 1980, and jointly with DEPI since 2009.



## Professor Andrew Western

Deputy Head of Department – Infrastructure Engineering, University of Melbourne

Andrew Western is a hydrologist with more than 15 years' experience in catchment and waterway research, teaching and consulting. He has worked as a researcher for the Centre for Environmental Applied Hydrology, Technical University of Vienna, the CRC for Catchment Hydrology and the eWater CRC. Andrew has expertise in field monitoring, physically-based and conceptual catchment and river modelling, catchment analysis and remote sensing and has concentrated on integrating these areas to support catchment system understanding and management.



## Dr Graham Mitchell

Principal, Foursight Associates

Graham Mitchell is recognised as one of Australia's leading biological scientists, with his expertise extending over a wide range of science and technology. He has detailed knowledge of the academia-industry interface, has worked in many overseas countries and been involved with tropical disease programs of the World Health Organisation for many years. Graham has been an advisor on innovation to the Commonwealth, Victorian, Tasmanian and Northern Territory Governments, and is currently Chief Scientist for DEPI.



The Primary Industries Climate Challenges Centre (PICCC), with the Carlton Connect Initiative, presents the



# 2014 PICCC Think Tank

Sustainable intensification of agriculture – what does it mean for south east Australia?

## PROGRAM

From 8.00 am	<b>REGISTRATION AND REFRESHMENTS</b>
9.00 am	<b>Opening address</b> Adam Fennessy, Secretary, Department of Environment and Primary Industries
9.10 am	<b>Sustainable intensification – an introduction</b> Professor Tim Reeves, Director, Timothy G. Reeves and Associates
9.35 am	<b>The agricultural supply chain – an industry perspective</b> David Lord, CEO, Warrnambool Cheese and Butter
10.00 am	<b>MORNING TEA</b>
10.30 am–1.00 pm	<b>What will a 'sustainably intensified' south east Australian agricultural industry look like?</b> <i>A series of joint presentations from PICCC researchers</i>
10.30 am	<b>Beef and sheep</b> Dr Ralph Behrendt, Department of Environment and Primary Industries Professor Robyn Warner, University of Melbourne
11.00 am	<b>Dairy</b> Dr Joe Jacobs, Department of Environment and Primary Industries Associate Professor Richard Eckard, PICCC
11.30 am	<b>Horticulture</b> Dr Sigfredo Fuentes, University of Melbourne Dr Ian Goodwin, Department of Environment and Primary Industries
12.00 pm	<b>Grains</b> Dr Roger Armstrong, Department of Environment and Primary Industries Dr Sabine Tausz-Posch, University of Melbourne
12.30 pm	<b>Cross-industry issues</b> Associate Professor Bill Malcolm, Department of Environment and Primary Industries Professor Andrew Western, University of Melbourne
1.00 pm	<b>LUNCH</b>
2.00 pm	<b>A pathway for agriculture in south east Australia</b> An interactive panel session featuring theme speakers, structured along cross-cutting themes, facilitated by Professor Tim Reeves
3.30 pm	<b>Summation</b> Dr Graham Mitchell, Foursight Associates
3.45 pm	<b>Closing</b> Professor Tim Reeves
4.00 pm	<b>AFTERNOON TEA</b>



PICCC is a joint venture between the Department of Environment and Primary Industries Victoria and the University of Melbourne. It combines the resources and activities of its partners in research and education to help the primary industries respond to a changing climate. [www.piccc.org.au](http://www.piccc.org.au)