

**3RD AUSTRALIAN WINE INDUSTRY
ENVIRONMENT CONFERENCE & EXHIBITION
ADELAIDE CONVENTION CENTRE
SOUTH AUSTRALIA
2 – 3 FEBRUARY 2005**

*From global
to local –
the environment
and trade*



Conference Management
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Event Planners Australia
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**PROGRAM
BOOK**



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SA Water is proud to support the South Australian wine industry's sustainability efforts

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CONFERENCE PROGRAM COMMITTEE

Cecil Camilleri
Chair
The Yalumba Wine Company

Linda Bowes
South Australian Wine Industry Association

Fraser Bell
Finlaysons

Jim Northey
Hardy Wine Company

Doug Young
Winemakers Federation of Australia

Tom Keelan
Bremerton Vintners

Keith Jones
South Australian Wine Industry Association

Tony Clancy
Grape and Wine Research Development Corporation

Thea Mech
CSIRO (Land & Water)

CONFERENCE MANAGEMENT

South Australian Wine Industry Association Incorporated

Linda Bowes
Chief Executive

Keith Jones
Environment Program Manager

Craig MacDonald
Accountant

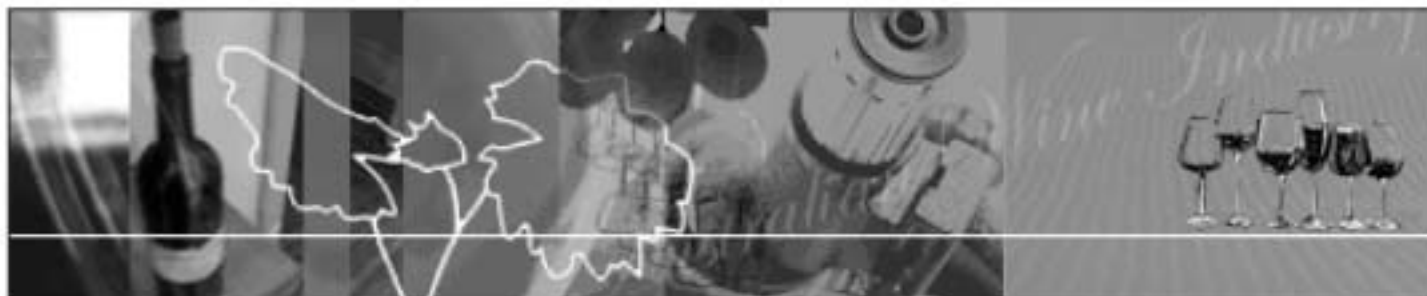
Sponsorship and Exhibition

Marcia Burnett
South Australian Wine Industry Association Incorporated

Event Planners Australia

Graham Teague
Director

Sarah Kirsch
Event Manager



Australian Government
Grape and Wine Research and Development Corporation

Grape and Wine Research and Development Corporation

Funded by winemaker and grape grower levies matched by the Australian Government, the GWRDC is a statutory authority that invests in grape growing and winemaking R&D. Providers who undertake R&D projects include The Australian Wine Research Institute, universities, the Cooperative Research Centre for Viticulture (to which GWRDC is a major contributor), CSIRO, state institutions and private consultants.

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WELCOME FROM THE CONFERENCE CHAIRMAN

Dear Delegates,

Welcome to the Australian Wine Industry's Third Environmental Conference and a special warm welcome from South Australia to our friends from overseas and interstate.

During the course of the next two days you will hear from national and international experts how developments in trade are impacting on environmental governance.

Your presenters will point you to possible solutions to contemporary issues, such as relationship management between government and industry, waste management and conservation of natural resources in the interest of collective sustainability and risk minimisation.

Together with the trade display and exhibition, the 2005 program has been specially designed to address local issues in a global context, the significance of which will be highlighted in a thought provoking and stimulating final session.

Your conference and program organisers sincerely hope the proceedings delivers you with information and ideas for strategic direction into the future.

And finally, I wish you an enjoyable stay in Adelaide and a safe journey home.



Cecil Camilleri
Chairman, Conference Program Committee

SPONSOR ACKNOWLEDGEMENT

The Conference Organising Committee is pleased to acknowledge the support of all its Sponsors. Particular thanks are extended to the following companies for their generous contribution to the success of this event:

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TECHNICAL TOUR – VITICULTURE SPONSOR



GENERAL INFORMATION

Banks

General banking is available within walking distance of the Adelaide Convention Centre. The main banks are listed below and are open from 9.30am – 4.00pm Monday – Friday.

ANZ

13 Grenfell Street
Ph: 13 13 14

Adelaide Bank

90 King William Street
Ph: 13 22 20

Commonwealth Bank

96 King William Street
135 Rundle Mall
Ph: 13 22 21

National Australia Bank

22 – 28 King William Street
Ph: 13 22 65

St George Bank/Bank SA

97 King William Street
Ph: 13 35 55

Westpac Bank

2 – 8 King William Street
Ph: 13 20 32

Car parking

The Adelaide Convention Centre offers two car parking facilities:

- Exhibition Car Park
- Riverbank Car Park

Rates and Conditions are applicable

Catering

Morning and afternoon teas and lunches on each day will be held within the Exhibition Area (Hall E). There will also be Networking Drinks in the Exhibition Area from 5.00 – 6.00pm on Wednesday 2 February 2005.

Conference dinner

The conference dinner is being held at the Adelaide Convention Centre (Hall F) on Wednesday 2 February 2005 (7.00pm for 7.30pm). The dinner will be a time to relax and enjoy the company of delegates from across Australia.

For those who have booked, tickets will be found in your name badge.

Exhibition

The Exhibition area is located in Hall E and will be open to delegates from 10.00am on Wednesday 2 February will remain open throughout the remainder of the conference until 3.30pm on Thursday 3 February.

Delegates are encouraged to take time during the conference catering breaks to visit the exhibition stands in the Exhibition area. Exhibitor Profiles are on page 21.

List of delegates

A list of delegates (name, organisation and state/country) will be distributed from the Registration Desk during lunch on Wednesday 2 February 2005.

Lost property

Please report any lost property to the Adelaide Convention Centre registration desk in the main foyer.

Message board

A message board will be located adjacent to the Registration Desk. Messages may be left at the registration desk or pinned to the board. No responsibility will be taken to deliver messages personally, so please check this board at regular intervals.

Mobile telephones

As a courtesy to other delegates, please ensure that mobile telephones are turned off during all sessions and social functions.

Name badges

All delegates, speakers, sponsors and exhibitors will be provided with a name badge upon registering. These name badges must be worn at all times within the venue. Entry to sessions and exhibition area will only be provided to delegates wearing a name badge.

Public telephones

Public telephones may be found in the foyers within the Adelaide Convention Centre.

Registration desk

The Registration Desk is situated in Foyer 1 of the Adelaide Convention Centre and will be open from 8.00am on Wednesday 2 February and will remain open throughout the Conference. The telephone number for the Registration Desk is: 08 8210 6610.

Smoking

The Adelaide Convention Centre is a designated non-smoking venue.

Special considerations

Dietary: Any special dietary requirements indicated on your registration form have been forwarded to the Adelaide Convention Centre. Please make your requirements known to waiting staff at each function.

Should you require any specific assistance while at the conference, please contact the Registration Desk staff. Every endeavour will be made to cater for your needs.

Taxis in Adelaide

Access Cabs

P: 1300 360 940

Suburban Taxis

P: 13 10 08

Yellow Cabs

P: 13 22 27

Independent Taxis

P: 13 22 11

Venue

The Adelaide Convention Centre is Australia's first purpose-built convention centre and has been ranked within the world's top ten convention centres for the last two years. Its world class reputation has been enhanced with an extension to the exhibition halls, which has more than doubled its capacity and brought Adelaide's magnificent river and parkland views into the centre for the first time.

"Put this date in your diary"

**4th Australian Wine Industry
Environment Conference**

**Monday 30 – Tuesday 31
October 2006**

Adelaide Convention Centre

CONFERENCE PROGRAM AT A GLANCE

**DAY 1 INTERNATIONAL DIRECTIONS: WINE, ENVIRONMENT & TRADE
WEDNESDAY 2 FEBRUARY 2005**

Keynote Presentations		
THE POLICYMAKERS' VISION		
<i>Chair: Tony Battaglene Winemakers Federation of Australia</i>		
9:00am	New European Agricultural Policy	Alexander Tilgenkamp Deputy Director-General of DG Agriculture and Rural Development European Commission
9:30am	Environment and International Trade – an Australian Perspective	Simon Farbenbloom Director, World Trade Organisation & Disputes Branch, Australian Department of Foreign Affairs & Trade
10:00am	MORNING TEA	
10:30am	Global Priorities for Environment and Trade	Andrew Rouse World Wide Fund for Nature
11:00am	Sustainability & Wine Retailers	Pip Marks Pip Marks Consulting
11:30am	Panel Discussion	
12:00pm	LUNCH	
THE WINE INDUSTRY'S RESPONSE		
<i>Chair: Brenton Baker The Hardy Wine Company</i>		
1:00pm	Developing Environmental Excellence in a Growing Industry	Narelle Martin Environmental Consultant and Writer, Wine Council of Ontario
1:20pm	Californian Code of Sustainable Winegrowing Practices	Karen Ross President, Winegrape Growers Association of California
1:40pm	New Zealand Wine "The Riches of a Clean Green Land Environmental Reporting	Sally van der Zijpp National Coordinator, NZ Sustainable Wine Industry Association
2:00pm	Sustaining Australia's Success	Doug Young Policy Director, Winemakers Federation of Australia
2:30pm	Panel Discussion	
3:00pm	AFTERNOON TEA	
THE FACILITATORS RESPONSE		
<i>Chair: Stephen Strachan Winemakers Federation of Australia</i>		
3:30pm	Smart Environmental Regulation	Paul Vogel Executive Director, EPA (SA)
3:50pm	Profiting from the Environment: Using Market-Based Instruments to Reform Wine Industry Performance	Mike Young Director of Economic Policy, CSIRO
4:10pm	Global Reporting Initiative – Global Wine Industry Sector Supplement	Yvonne Sneddon Company Director Keith Jones Environment Program Manager, SAWIA
4:40pm	Panel Discussion	
5:00pm	EXHIBITION DRINKS	

* All speakers and sessions were confirmed and correct at time of printing.
The SAWIA reserves the right to amend program details as required.

DAY 2 STRATEGIC THOUGHT AND TECHNICAL SOLUTIONS
THURSDAY 3 FEBRUARY 2005

STREAM 1 – STRATEGIC THINKING		
Risk Management <i>Chair: Bruce McDougall CMV Farms</i>		
9:00am	Impact of Greenhouse Induced Climate Change on Australian Viticulture	Leanne Webb <i>University of Melbourne/CSIRO</i>
9:20am	Mitigating Future Environmental Risks through Strategic Research and Development	Jim Fortune <i>Executive Director, Grape and Wine Research Development Corporation</i>
9:40am	Financial Investment and Assessing the Sustainability Risk of Wine Companies	Amanda Mcluskey <i>Governance Advisory Service BT Financial Group</i>
10:00am	Environmental Risk and the Insurance Industry	Lynette Thorstensen <i>Head of Community & Environment, Insurance Australia Group</i>
10:20am	Panel Discussion	
10:30am	MORNING TEA	
Collaborative Approaches <i>Chair: Brian Walsh The Yalumba Wine Company</i>		
11:00am	Global Partnerships – WWF and the Wine Industry	Keith Jones/Andrew Rouse <i>(SAWIA/WWF)</i>
11:20am	Collaboration: The Way Forward for Margaret River	Ron Fraser <i>President, Margaret River Wine Industry Association</i>
11:40am	Managing Wine Development in Environmentally Sensitive Areas	Mike Young <i>Director of Economic Policy, CSIRO</i>
12:00pm	A Supply Chain Approach	Megan Howard <i>Environment Officer, SAWIA</i>
12:20pm	Panel Discussion	
12:30pm	LUNCH	
Demonstrating Sustainability <i>Chair: Leon Deans Orlando Wyndham Group</i>		
1:30pm	Sustainable Stakeholder Relationships	Tom Berry/Tom Stapleton <i>Research Directors, University of Technology, Sydney</i>
1:50pm	Sustainable Winegrowing New Zealand System	Sally van der Zijpp <i>National Coordinator, Sustainable Winegrowing New Zealand</i>
2:10pm	The role of the Social Ecologist in the Ecological Modernisation of a Wine Company	Cecil Camilleri <i>Senior Technical Manager (Environmental Matters) The Yalumba Wine Company</i>
2:30pm	Australian Wine Industry State of the Environment Report	Keith Jones <i>Environment Program Manager SAWIA</i>
2:50pm	Panel Discussion	
3:00pm	AFTERNOON TEA	

STREAM 2 - TECHNICAL SOLUTIONS		
Natural Resource Management <i>Chair: Vic Patrick Beringer Blass Wine Estates</i>		
9:00am	Code of Environmental Best Practice	Sue McConnell <i>DPI (Vic)</i>
9:20am	Drivers and barriers to adoption of water use efficient practices	Ann-Maree Boland <i>DPI (Vic)</i>
9:40am	Fostering Sustainable Growth	Jamie McMaster <i>Outsourced Environmental Vic Patrick Beringer Blass Wine Estates</i>
10:00am	Regional Approaches to Natural Resource Management through EMS	Rick Trezona <i>URS</i> Megan Howard <i>Apple and Pear Association (Adelaide Hills)</i>
10:20am	Panel Discussion	
10:30am	MORNING TEA	
Waste Management <i>Chair: Chris van der Wijngaart Tarac Technologies</i>		
11:00am	Managing Treated Timber Vine Posts	Fraser Bell <i>Waste Management Association of Australia</i>
11:20am	Impact on Biodiversity from Winery Wastewater Irrigation	Anu Kumar <i>Research Scientist, CSIRO</i>
11:40am	Reclaimed Water Use in Willunga Basin Vineyards	Mike McCarthy <i>SARDI</i>
12:00pm	Land Based Winery Wastewater Treatment	Evan Christen <i>CSIRO Land & Water</i>
12:20pm	Panel Discussion	
12:30pm	LUNCH	
Biodiversity Management <i>Chair: Jim Hardie CRC for Viticulture</i>		
1:30pm	Case Study: Sustainable Weed Management	Chris Penfold <i>Research Officer, University of Adelaide</i>
1:50pm	The Virtual Vineyard – Eco-Redesigning Vineyards through Simulation of Viticultural Landscapes	Neil Huth <i>CSIRO</i>
2:10pm	The Biodiversity & Wine Institute – the South Africa Wine Industry's Approach to Conserving Biodiversity	Tony Hansen <i>South African Wine & Brandy Conservation International</i>
2:30pm	Ecosystems approach to Integrated Pest Management	Linda Thompson <i>La Trobe University</i>
2:50pm	Panel Discussion	
3:00pm	AFTERNOON TEA	

3:30pm	DEBATE: Competition or Collaboration – What Will We Choose?	
4:30pm	Close	



Harvest the Benefits

South Australian Wine Industry Association

How will I benefit from membership ?

Access to a wide range of advisory services that add value to your business and save you money, including employee relations, occupational health, safety and welfare, liquor licensing, export facilitation and environmental management.

Strong representation with government and agencies on important issues for the wine industry such as water, roads, environment protection, tourism, R&D, taxation and industrial relations.

Participation in various workshops, seminars and forums to solve specific industry issues, including employee relations, OHSW, environmental and marketing issues.

Reliable information and support materials on topical issues and legislative changes.

www.winesa.asn.au

Industry offices
National Wine Centre
Botanic Road
Adelaide SA 5000

08 8222 9277
admin@winesa.asn.au



TECHNICAL TOUR ITINERARIES

DAY THREE : TECHNICAL TOURS FRIDAY 4 FEBRUARY 2005

TOUR 1 VITICULTURE TOUR

NORTHERN VINEYARD BAROSSA VALLEY, EDEN VALLEY & ADELAIDE PLAINS

Sponsored by Agrilink Holdings Pty Ltd



Time	Topic	Site	Presenter
9:15am	Organic Viticulture	Wilkie's Vineyard	Trevor Spurr
10:05am	Irrigation Efficiency & Monitoring	Agrilink	Julian Speed
12:05pm	LUNCH	Jacobs Creek Orlando Visitor Centre	Jolie Zadow
1:15pm	Revegetation of Jacobs Creek	Orlando Wyndham Group	Steve Fiebiger
2:10pm	Environmental Management at Yalumba	The Yalumba Wine Company – Nursery	Robin Nettlebeck
2:35pm	Biodiversity approach at Henschke Wines	Nuraip Road Vineyard	Prue Henschke
3:30pm	Environmental Management at Yalumba	The Yalumba Wine Company Heggies Vineyard	Robin Nettlebeck
4:10pm	Return to Adelaide	Travel: 1:20hrs, ETA: 5:30pm	

Appropriate Attire for Viticulture Technical Tour

Disease control is a serious issue for the Australian wine and grape industry. As part of the viticulture technical tour, participants are required to comply with the disease control protocols specified by the Phylloxera and Grape Industry Board of South Australia. After each vineyard tour ALL viticulture tour participants will be required to step in to and if necessary brush the soles of footwear with disinfectant (water with 1% chlorine solution) as they enter the bus. This disinfectant solution may cause bleaching if in contact with clothes. Please wear appropriate footwear and attire for viticulture tour. Disclaimer: SA Wine Industry Association takes no responsibility for any damage to clothes or footwear that may result from disinfection procedures.

TOUR 2 WINE PRODUCTION TOUR

SOUTHERN WINERY MCLAREN VALE & LANGHORNE CREEK

Time	Topic	Site	Presenter
9:30am	Winery Wastewater - Artificial Wetlands & Pre-treatment.	Boars Rock Winery	Rob Hunt
10:30am	Integrating Tourism into the Wine Business	Chapel Hill Winery	Pam Dunsford
11:05am	Managing Waste	Rosemount Estate Winery	Noami Shultz
12:00pm	LUNCH	McLaren Vale & Flurie Visitor Centre	
12:45pm	Enhancing Local Biodiversity	Urban Forest Biodiversity Program Presentation at Visitor Centre	Chris Gibson
1:20pm	Best Practice Revegetation	Dog Ridge Vineyard	Chris Gibson
2:00pm	Electronic EMS	Wirra Wirra Vineyard	Samantha Curnew
3:30pm	Temple Bruer : Organics and Sustainability*	Temple Bruer Winery	David Bruer
4:30pm	Return to Adelaide	Travel: 1hr ETA: 5:30pm	

* Includes organic wine tasting



Model AQt 120

Model AQL 70



AIRSPACE

WHAT'S NEW FROM AIRWELL

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THE SMART CHOICE
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FAST FACTS

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Aqu@Logic Air Cooled Water Chillers
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Aqu@Logic represents a new generation of innovative water chillers, integrating components using the very latest technological advances
- Features
 - > In-built pump kit and external tank kit
 - > ILTC – Intelligent Liquid Technology Control
 - > Utilises R407C refrigerant
 - > Robust and reliable scroll compressors provide high performance and quiet operation
 - > 14 models ranging from 20 - 131 kW

With its state-of-the-art componentry, compact design, easy installation, and high performance and reliability, Airwell's Aqu@Logic is the future in air cooled water chiller technology.

All Aqu@logic water chillers are equipped with ILTC – Intelligent Liquid Technology Control, designed to optimise operation and provide superior comfort levels, safety and energy efficiency. It also enables the unit to operate in most applications with a low volume of water (2.5 litres per kW), delivering significant savings in pipework.

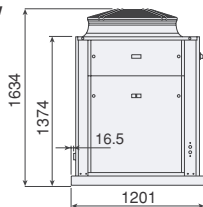
The integration of advanced scroll compressors is another key feature, offering high Coefficient of Performance (COP), extremely quiet operation and minimal vibration. In addition, all refrigerant components are brazed to guard against leakage and the refrigerant circuit has been optimised to operate with R407C refrigerant.

Installation and maintenance is also a breeze due to the units compact fitout, "Plug and Play" design with integrated module, and easy access to components thanks to panels removable by a simple quarter turn key or screw.

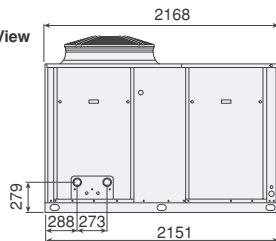
Call your local Airwell office for more details on the Aqu@Logic range.

Dimensions - Aqu@Logic AQL sizes 60 to 80
Dimensions in mm.

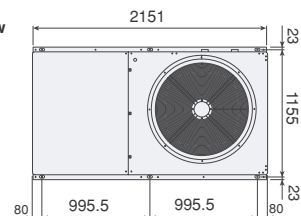
Front View



Side View



Top View



Melbourne (03) 8544 3505 Sydney (02) 9793 3644
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Brisbane (07) 3392 8113 Adelaide (08) 8372 7866
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KEYNOTE SPEAKER PROFILES

	<p>Alexander Tilgenkamp Alexander Tilgenkamp is the Deputy Director General of DG Agriculture of the European Commission. Alexander is responsible for Institutional Relationships, Communication and Quality, Markets for Plant and Animal Products as well as specialised crops, vineyards and wine products.</p>		<p>Andrew Rouse Andrew Rouse is Program Manager Resource Conservation for the World Wide Fund for Nature. WWF has been a conservation leader for more than 40 years. WWF uses the best available scientific knowledge to preserve the diversity and abundance of life on Earth and the health of ecological systems. Andrew's interests are in protecting natural areas, promoting sustainable approaches to the use of renewable natural resources, promoting more efficient use of resources and energy and the maximum reduction of pollution.</p>
	<p>Narelle Martin Narelle Martin has established her own consulting business in Canada. In addition to work with local government, Narelle has been retained to assist the Wine Council of Ontario to develop an Environmental Charter for the Wine Industry in Ontario. Narelle has also published papers and been a speaker at conferences in Australia, Canada and the United States.</p>		<p>Karen Ross Karen Ross has been president of the California Association of Winegrape Growers (CAWG) since 1996. In this capacity, she also acts as executive director for Winegrape Growers of America, a national organisation of state winegrower organisations, and executive director of the California Wine Grape Growers Foundation which sponsors scholarships for the children of vineyard employees.</p>
	<p>Sally van der Zipp Sally van der Zipp is the National Coordinator at Sustainable Winegrowing New Zealand. Sustainable Winegrowing New Zealand® is an industry initiative directed through New Zealand Winegrowers providing a nationally applicable scheme with a sustainable management focus. Sally has a Masters in Applied Science which focused on the implications of canopy management on wine quality, and 14 years experience in the wine industry with extensive practical experience in grape and wine production, viticulture research and education.</p>		<p>Doug Young Doug Young is Policy Director for the Winemakers Federation of Australia. He joined the Wine Industry National Environment Committee of WFA in October 2003. Prior to joining WFA Doug worked with Rural Solutions SA, Primary Industries and Resources SA, the SA Centre for Economic Studies and ABARE. In each of these positions he has been involved in the application of economic approaches to issues of natural resource management.</p>
	<p>Paul Vogel Paul Vogel is Chief Executive and Chairman of South Australia's independent environmental regulator, the Environment Protection Authority. Before taking up his position in November 2002, Paul was Director of Environmental Policy with the Department of the Premier and Cabinet in Western Australia, and prior to that Director of Environmental Systems with the (then) WA Department of Environmental Protection.</p>		<p>Michael Young A Fellow of the Australian Academy of the Social Sciences, Michael established and now directs CSIRO's Policy and Economic Research Unit with offices in Adelaide and Canberra. In 2003, Michael was awarded a centenary medal "for outstanding service through environmental economics." Michael is best known for his capacity to integrate biophysical and economic information to produce innovative proposals that catalyse policy change.</p>
	<p>Keith Jones Keith Jones has a Bachelor of Applied Science in Environmental Management from the University of South Australia. Since March 2000, he has been the Environment Program Manager for the South Australian Wine Industry Association. His achievements include developing Sustaining Success, establishing a national greenhouse gas abatement program and developing and managing an Eco-efficiency program. Most recently Keith has developed the first Australian Wine Industry State of the Environment Report.</p>		<p>Pip Marks Pip Marks has initiated and managed a wide range of environmental and emergency management programs, including the Wineries of the Future energy efficiency program. She now provides strategic planning and targeted communication advice to industry associations, non-government and research organisations and government agencies. She recently completed a report for the Cooperative Research Centre for Viticulture on market drivers for environmental performance in the Australian Wine Industry.</p>
	<p>Simon Farbenbloom Simon Farbenbloom has a Bachelor of Laws (UWA). Postings to Tokyo and Geneva WTO. In Geneva was Counsellor; Australian Mission to the WTO with responsibility for WTO dispute settlement and the Committee on Trade and Environment. He is currently the Director of the WTO Quarantine Disputes Taskforce.</p>		<p>Yvonne Sneddon Yvonne has over 25 years experience as a Chartered Accountant providing financial services and advice to both Government and Private Sector clients. She is a Fellow of the Australian Institute of Company Directors and was a Partner in Deloitte Growth Solutions in Adelaide until May 2004. She is now focussed on a career as a company director and strategic business advisor.</p>

CONFERENCE PROGRAM DETAIL

**DAY ONE : INTERNATIONAL DIRECTIONS WINE, ENVIRONMENT AND TRADE
WEDNESDAY 2 FEBRUARY 2005**

KEYNOTE PRESENTATIONS

- 9.00am **New European Agricultural Policy and Consumption and Subsequent Production, Quality and Trade Requirements**
Alexander Tilgenkamp
Deputy Director-General of DG Agriculture and Rural Development, European Commission
This session will highlight:
- > The key elements of the new European market oriented and environmentally friendly common agricultural policy
 - > The consumer concerns and public priorities at the level of quality, environmental and food safety guarantees in the wine sector
 - > Global trade and preservation of rural heritage
- 9.30am **Environment and International Trade – An Australian Perspective**
Simon Farbenbloom
Director, World Trade Organisation Disputes Branch, Australian Department of Foreign Affairs and Trade
Recap of relevant WTO issues following on from the presentation 'The WTO, Environmental Objectives and the Australian Wine Industry' at the Second Australian Wine Industry Environment Conference. The current status of WTO trade and environment issues and possible future directions.
- 10.30am **Global Priorities for Environment and Trade**
Andrew Rouse
World Wide Fund for Nature (WWF)
A number of Australia's important trade partners are increasingly seeking assurance that our primary produce is 'clean and green'. This provides an opportunity for Australian exporters who are able to demonstrate their environmental credentials.
This session will highlight:
- > Examine some of the trends towards 'green' procurement within major trading partners and global agri-business
 - > Highlight the opportunities to Australian exporters who can demonstrate their environmental credentials
 - > Provide WWF's perspective on requirements for primary producers seeking to market produce as 'clean and green', including evaluation of voluntary tools such as systems & standards
- 11.00am **Sustainability and Wine Retailers – Market Drivers for Environmental Performance**
Pip Marks
Pip Marks Consulting
While price rules, eco-opportunities for the Australian wine industry appear to be relatively limited as far as retailers and consumers are concerned. However, the risks to the reputation of individual companies, regions and Brand Australia from poor environmental performance are potentially far more significant and could have a serious impact on sales in Australia and in key export markets in the future.
This session will highlight:
- > Why it is more important for the industry to be seen as being not 'not green' than 'green'
 - > Options for managing 'environmental risk to brand'
 - > Why relationships with the media and non-government environment organisations are critical
 - > How organic products, environmental management systems and eco-tourism fit into this framework
- 1.00pm **Developing Environmental Excellence in a Growing Industry**
Narelle Martin
Environment Consultant and Writer, Wine Council of Ontario
The wine industry in Canada is experiencing rapid growth. An industry driven proactive approach to develop continuous improvement in environmental performance is now underway.
This session will highlight:
- > A brief outline of the processes underway
 - > Key values – no blame, every one improving; inclusive participatory approach
 - > What next
- 1.20pm **California Code of Sustainable Winegrowing Practices**
Karen Ross
President, California Association of Winegrape Growers
In 2001, the California Association of Winegrape Growers partnered with the Wine Institute to design and execute the voluntary Code of Sustainable Winegrowing Practices. The project has gone through one full program cycle from design, development, implementation, data collection and analysis, to reporting in just over three years. The publication of the California Wine Community Sustainability Report 2004 is the first time an entire sector has measured the level of sustainable practices among its members and reported the results publicly.
This session will highlight:
- > The development of the code's self-assessment workbook and its contents
 - > The participation of growers and vintners in the workbook work shops
 - > The data collection for the benchmark wine community sustainability report

1.40pm **New Zealand Wine “the Riches of a Clean Green Land” - Environmental Reporting**

Sally van der Zijpp

National Coordinator Sustainable Winegrowing New Zealand®, New Zealand Winegrowers

Sustainable Winegrowing New Zealand® is a New Zealand Winegrowers initiative developed to protect the environmental integrity of their wine production from the soil to the glass. Sustainable Winegrowing New Zealand® is recognised as a world leader in gaining industry-wide adoption of practices for the sustainable production of wine grapes and wines.

This session will highlight the identification of trends and the ability to address sustainability issues for the New Zealand Wine Industry using data management tools for reporting to the industry, the wider community and customers (markets).

Authors: Sally van der Zijpp, David Manktelow, Sarah Gumsey, Philip Manson

2.00pm **Sustaining Australia’s Success**

Doug Young

Policy Director, Winemakers Federation of Australia

The presentation will provide an overview of recent developments with respect to the achievement and demonstration of environmental stewardship by the Australian Wine Industry.

This session will highlight:

- > The Australian Wine Industry Stewardship programme
- > The Wine Industry National Environment Committee
- > Australian case studies
- > International developments

3.30pm **Smart Environmental Regulation**

Paul Vogel

Chief Executive and Chair, South Australian Environment Protection Authority

While environmental regulation is one of the most important tools for halting, preventing and reversing environmental degradation, the regulated community and governments are seeking more equitable, innovative, effective and least-cost regulatory interventions to deliver environmental policy outcomes, i.e. so called ‘smart regulation’.

This paper outlines the key elements of ‘smart regulation’ and discusses some contemporary national and South Australian initiatives, approaches and future opportunities and challenges.

3.50pm **Profiting from the Environment: Using Market-based Instruments to Reform Wine Industry Performance**

Mike Young

Director, Policy and Economic Research Unit, CSIRO Land and Water

The wine industry and winegrape producers have impacts on the environment. This talk will identify the nature of environmental problems that are not well understood by the wine producers and grape growers. It will explore ways for the industry to encourage governments to embrace greater use of the market place to deliver environmental outcomes.

Opportunities include extension of water markets to include urban water supplies, the introduction of salinity trading, and the management of environmental risk using off-set policies and programs. If well designed and well managed, these arrangements can in turn be used to build markets through the development of the industry’s reputation as a net positive contributor. Well developed and well managed, the industry can come to be seen as part of the solution rather than part of the problem.

4.10pm **Global Reporting Initiative – Wine Industry Sector Supplement**

Yvonne Sneddon

Company Director

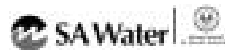
Keith Jones

South Australian Wine Industry Association

Sustainability reporting, that is reporting on the economic, social and environmental aspects of an organisation, is gaining momentum - especially in Europe, Japan and Canada. The Global Reporting Initiative (GRI) is an international organisation that publish guidelines designed to assist organisations produce their own sustainability reports. The Deloitte Global Environment and Sustainability Group have developed tools to assist organisations evaluate their reports against GRI guidelines and principles. Additionally the GRI produce Sector Supplements which are designed to provide more detailed guidance for a particular sector. The GRI are currently considering producing a Beverage Sector Supplement which is likely to include the wine. It is proposed that the global wine industry should work with the GRI to develop a Wine Industry Sector Supplement which would help accelerate the uptake of sustainability reporting throughout our industry.

4:40pm **Panel Discussion**

STRATEGIC THINKING STREAM



TECHNICAL SOLUTIONS STREAM

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9.00am Impact of Greenhouse Induced Climate Change on Australian Viticulture

Leanne Webb

Researcher, University of Melbourne/CSIRO

The viticulture community of Australia can expect future changes in climate that will impact upon their productivity and economic returns. Carbon dioxide levels will continue to increase leading to a warming of 0.3 to 1.7°C by 2030 and 0.8 to 5.2°C by 2070 in most viticultural regions. The impact of greenhouse induced climate change on grape quality and regional viticultural suitability will be presented.

This session will highlight:

- > The impact of projected temperature increases on grape production and grape quality and economic returns within a region.
- > The way climate change projections are used to produce 'cost of temperature increase' at a regional level.
- > Spatial shifts in 'viticulture-suitability' in projected climates.
- > Rainfall scenarios under greenhouse induced climate change detailing higher summer rainfall, heavier rainfall and decreased average rainfall.

Preliminary projections of expected rainfall and evaporation under greenhouse induced climate indicating increasing irrigation requirements. This preliminary modelling indicates an increased irrigation demand for South Australian grape growing regions.

Code of Environmental Best Practice for Viticulture – Sunraysia Region

Sue McConnell

Department of Primary Industries (Vic)

DPI, Victoria, in consultation with members of the dried, wine and table grape industries, has developed an environmental best practice package for viticultural growers in the Sunraysia Region. The package provides information to growers on how to maintain productivity and viability, while addressing the potential environmental impacts associated with growing grapes. This session will outline the background to the development of the package and its current application.

9.20am Mitigating Future Environmental Risks Through Strategic Research and Development

Jim Fortune

Executive Director, Grape and Wine Research and Development Corporation

The drive, growth and development of the Australian wine industry will always challenge boundaries. However, most of these boundaries are recognised and set by growers and winemakers who know that they work in sensitive environments, need to have sustainability targets for long term business success, and need to celebrate with national and international consumers a range of wines with incredibly high standards and integrity.

Against this background it will be important to consider the R&D demands and opportunities that arise given:

- > The scale and geographic distribution of the Australian wine industry
- > The diversity of input stages in the production and delivery of wines
- > The interface between the wine industry and other competing or nearby land use
- > Interactions at a regional level

This presentation will address some of these structural features of grape growing and winemaking in Australia and use examples and some speculation to consider R&D as a contributor to environmental risk assessment and risk management.

Drivers and Barriers to Adoption of Water Use Efficient Practices

Ann-Maree Boland

Department of Primary Industries (Vic)

Understanding the key reasons for growers to adopt water use efficient practices is critical to improving the industries irrigation performance. A significant study was undertaken in the Murray Darling Basin to firstly define the Best Irrigation Management Practices and secondly understand the drivers and barriers to the adoption of these BIMPs. While adoption of BIMPs will frequently lead to improved water use efficiency (WUE) this objective is generally not a key driver for viticulturalists and as such programs that focus on WUE will have minimal relevance. Drivers and barriers for adoption will be more dependant on the differing needs and circumstances of individual growers. Market research methodologies (survey) were used to identify and understand similar groups of growers (market segments) in relation to the adoption of irrigation systems and soil moisture monitoring, and factors that influence irrigation scheduling and management.

9.40am Financial Investment and Assessing the Sustainability Risk of Wine Companies
Amanda McCluskey

Manager Investment Governance, BT Financial Group

The session will consider the questions of:

- > Do financial markets care about sustainability risks?
- > Do investors look at sustainability issues when assessing a wine company?
- > What do investors look for when they are assessing how a wine company is managing its sustainability risks?
- > What can wine companies do better?

Fostering Sustainable Growth
Jamie McMaster

Outsourced Environmental

Vic Patrick

Viticultural Director, Beringer Blass Wine Estates

Since December 2003, the Foster's Group wine division, Beringer Blass Wine Estates has been working with Outsourced Environmental on a long term study titled the Foster's Footprint Program.

Developed to ensure that Beringer Blass's growth is sustainable in the long term, the study involves a detailed risk survey and monitoring of the environment for key sustainability indicators and current practices across five major vineyard sites.

This presentation provides a summary of recent progress and next steps.

10.00am Environmental Risk and the Insurance Industry
Lynette Thorstensen

Head of Community & Environment, Insurance Australia Group

Ms Lynette Thorstensen, Head of Community and Environment at Insurance Australia Group (IAG) will discuss the approach IAG has taken in relation to risk mitigation and environmental issues. She will outline the depth and breadth of IAG's 'take on sustainability' and provide insight into the process used to bring on board staff, customers and stakeholders. In particular, she will examine some of the exposures faced by the Insurance industry to climate change.

Regional Approaches to NRM through EMS (Adelaide Hills and Langhorne Creek, SA)
Megan Howard

Apple and Pear Growers' Association of SA

Rick Trezona

URS Australia Pty Ltd

There are a number of regional approaches to EMS in viticulture underway in South Australia. This presentation will hear from project officers of two regional projects.

This session will highlight:

- > Lessons learnt during the development of the projects and from property-level implementation of EMS
- > Implications for progress towards regional natural resource management improvements
- > Regional environmental stewardship support post project
- > Opportunities and successes in strengthening the links between growers and other NRM stakeholders

11.00am Global Partnerships – WWF and the Wine Industry
Keith Jones

South Australian Wine Industry Association

Andrew Rouse

World Wide Fund for Nature (WWF)

Over the last decade, environmentally focused non government organisations (NGOs) such as the World Wide Fund for Nature, have shown a keen willingness to work collaboratively with industry to gain better environmental outcomes. There are many examples of these collaborative approaches with viticulture from around the world which have resulted in mutual benefits for both parties.

Managing Treated Timber Vine Posts
Fraser Bell

Waste Management Association of Australia

An analysis of the practical, strategic, economic and legal implications of the generation of treated timber waste by the wine industry.

This session will highlight:

- > Treated timber posts - waste or resource?
- > Future scenarios for the wine industry
- > Regulatory position across Australia

STRATEGIC THINKING STREAM



TECHNICAL SOLUTIONS STREAM

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11.20am Collaboration: The Way Forward for Margaret River

Ron Fraser

President, Margaret River Wine Industry Association

Margaret River is a unique region in Australia and is recognised world-wide for the quality of the natural environment and its highly endemic biodiversity. Consequently, the wine industry is exposed to a wide range of pressures from government and the community. The Margaret River Wine Industry Association has established communication networks and forums to engage a wide range of industry stakeholders to ensure that the region continues to produce high premium wines and continues to protect the regions fragile environment.

11.40am Managing Winery Development in Environmentally Sensitive Areas

Mike Young

Director, Policy and Economic Research Unit, CSIRO Land and Water

In the past, many wineries have been located close to streams and other environmentally sensitive areas. Where this has been the case, regulators can become concerned about the possible impacts of further development. Using the Adelaide Hills as a case study, this talk will explore options and ways to deal with such problems. In the Adelaide Hills Watershed the real issue was one of risk that a serious impact could occur rather than a concern that current impacts were unacceptable.

The Adelaide Hills has recently been the subject of review managed by a "Winery Development Water Quality Risk Assessment Study Steering Committee." Breaking with tradition, both industry and government representatives were appointed to the Committee and under an independent chair asked to manage the entire review process.

Previous policies began with a very tight set of restrictions on development and could have been interpreted as an attempt to stop any expansion of this industry. As a result of this review process, it is likely that policies will change in a way that will increase opportunities for the industry and reduce the extent of risk in the region.

Impact on Biodiversity from Winery Wastewater Irrigation

Anu Kumar

Research Scientist, CSIRO

The effect of repeated winery waste water irrigation on soil physico-chemical properties and structure has been widely studied, but there is still currently a lack of knowledge available on the impact of the effluents on the soil biological status and biodiversity, in terrestrial and aquatic environment. We can address this issue by assessing whether the repeated irrigation of a typical vineyard soil with winery wastewater has ecotoxicological impacts on soil microflora, earthworms, and plant germination, and on the quality of waters.

Reclaimed Water Use in Willunga Basin Vineyards

Mike McCarthy

SARDI - Primary Industry and Resources Office

This session will highlight:

- > Drip irrigation of Shiraz vines with reclaimed, potable water or transient combinations of the two water sources have not resulted in any differences in vine performance or major/minor plant nutrient status over three consecutive years.
- > The effect of vine rootstock appears to have a greater influence on plant nutrient concentrations than the water source
- > Commercial-size wine lots from 2 vintages have been analysed for aromatic hydrocarbons, chlorinated compounds, agrochemical analysis and multi-element (38 elements) and no differences have been reported.
- > An EM38 survey of the experimental area did not detect any changes in soil salinity.
- > Data collection at the experimental site is continuing with additional data on water & nutrient movement to be undertaken.

12.00pm A Supply Chain Approach

Megan Howard

Environment Officer, South Australian Wine Industry Association

'Greening the Supply Chain in the South Australian Wine Industry' is a collaborative approach to improving adoption of sustainable procurement process within the wine industry. The 12 month project is being undertaken by the SA Wine Industry Association with funding from the Environment Protection Authority SA. It brings together representatives from both industry and supplier companies in the development of a web-based Sustainable Procurement Toolkit. This presentation will outline the approach taken and the project outcomes to date.

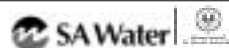
Land Based Winery Wastewater Treatment

Evan Christen

CSIRO Land and Water, CRC for Catchment Hydrology, CRC for Irrigation Futures

This paper outlines the development of an optimised and sustainable winery wastewater treatment system. Our approach was to examine the current system of winery wastewater treatment and then modify the design and operation of the current system, including incorporation of the land FILTER (Filtration and Irrigated cropping for Land Treatment and Effluent Reuse) system. The use of the land FILTER to treat winery wastewater was found to be promising, but to maximize the benefits a "whole system" approach is needed. For instance the winery operations affecting the production of wastewater; as well as the pretreatment procedures, need to be critically examined and adequately modified to assist further treatment by the combined FILTER and other treatment techniques.

STRATEGIC THINKING STREAM



TECHNICAL SOLUTIONS STREAM

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1.30pm Sustainable Stakeholder Relationships

Tom Berry / Tony Stapleton

Research Directors, University of Technology, Sydney

Sustainability inherently involves change. To be sustainable the wine industry must be adaptable enough to meet the dynamic needs of stakeholders including shareholders, employees, suppliers and partners, government, local communities, and citizens more broadly. To do this requires transparency and an integration of stakeholder engagement activities, management processes and organisational culture.

This session will highlight:

- > What does a sustainable wine industry look like and how does stakeholder engagement fit?
- > Potential benefits to the industry of integrated stakeholder engagement and sustainable business management
- > What makes an effective stakeholder engagement
- > When to and why engage 'citizens' in decision making for industry

Case Study: Sustainable Weed Management

Chris Penfold

Research Officer, Department of Agronomy & Farming Systems, University of Adelaide

The management of vineyard mid-rows is presently dominated by the growth of exotic annual and perennial plant species. Substituting these with native grass and/or broadleaf perennial species has the potential benefits of;

- > Enhanced biodiversity
- > Reduced water use
- > Improved soil health
- > Reduced weed invasion and
- > Reduced management costs

The benefits and some pitfalls of native plants for mid-row management will be discussed.

1.50pm Sustainable Winegrowing New Zealand® System

Sally van der Zijpp

National Coordinator, Sustainable Winegrowing New Zealand®, New Zealand Winegrowers

The Sustainable Winegrowing New Zealand® programme provides the framework for companies to continually improve all aspects of environmental sustainability in both the vineyard and the winery, with the long term aim of integrating social and economic performances.

This session will highlight the tools (technology) available to Sustainable Winegrowing New Zealand® members for benchmarking, decision making, consolidation of practices and the ability for continuous improvement.

Authors: Sally van der Zijpp, Sarah Gurnsey, David Manktelow, Philip Manson

Neil Huth

CSIRO - Sustainable Ecosystems

The Virtual Vineyard - Eco-Redesigning Vineyards through Simulation of Viticultural Landscapes

Process-based modelling has long been used in engineering and is well established in the area of natural resource management in agricultural and horticultural systems. Such modelling tools are routinely used by scientists, in conjunction with land managers, to investigate management options in terms of economic or environmental impacts. These participatory approaches are being used to bridge the gap between researcher and land manager; and simulation tools are often used to jointly evaluate options and facilitate discussions between the two parties. This session will discuss how such an approach might be employed in viticultural landscapes.

This session will highlight:

- > The capabilities of process-based models in analysing various aspects of natural and production systems and making the models useful through participatory processes.
 - > The APSIM systems model and its capabilities including the addition of the Vinelogic V1.0 model.
 - > A simple hypothetical case study vineyard.
-

CONFERENCE PROGRAM

STRATEGIC THINKING STREAM



TECHNICAL SOLUTIONS STREAM

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2.10pm **The Role of the Social Ecologist in the Ecological Modernisation of a Wine Company**

Cecil Camilleri

Yalumba Wine Company

Arguably, the economic prosperity of the Australian wine industry depends on the clean-and-green image of the Australian landscape. In 1995, an action research project was initiated at Yalumba to understand whether the organisation's corporate culture had the propensity to be translated into a land ethic that respected and understood the integrity of the landscape on which Yalumba's wine brands depended.

This session will highlight:

- > The relevance of corporate environmental beliefs, values and attitudes to brand image.
- > The importance of understanding vineyards and wineries as ecosystems.
- > The concept that business and conservation are not naturally mutually exclusive.

The Biodiversity & Wine Initiative – The South African Wine Industry's Approach to Conserving Biodiversity

Tony Hansen

Project Co-ordinator of the Biodiversity & Wine Initiative, South African Wine & Brandy / Conservation International

The Biodiversity & Wine Initiative is a pioneering partnership between the South African wine industry and the conservation sector to minimise the further loss of threatened natural habitat, and to contribute to sustainable wine production, through the adoption of biodiversity guidelines by the industry.

This session will highlight:

- > South African wine growing region's unique biodiversity.
- > The pioneering partnership formed to conserve the biodiversity.
- > Overview of project strategy & implementation.
- > Economic benefits created for the wine industry through biodiversity.
- > Progress and lessons learnt.

2.30pm **Australian Wine Industry SoE Report**

Keith Jones

South Australian Wine Industry Association

An Eco-efficiency Agreement was established between The Australian Government Department of the Environment and Heritage and the South Australian Wine Industry Association in partnership with the Winemakers Federation of Australia to implement a range of environmental initiatives. One of these initiatives was the production of an Australian Wine Industry State of the Environment Report. The report was released in late 2004 and addressed the key environmental performance indicators of the industry. The results show that there are many areas where the wine industry is performing well such as the uptake of water use efficiency practices, recycling of wastes, environmental management systems and biodiversity management. However, the report also identified several areas where performance can be improved. The report is currently being used to assist industry in the planning process and to develop industry support programs.

Ecosystems Approach to Integrated Pest Management

Linda Thomson

Cooperative Research Centre for Viticulture (CRCV) and the Centre for Environmental Stress and Adaptation Research (CESAR)

Invertebrates are important in all agriculture as pollinators, soil conditioners, for nutrient cycling and are economically important, as natural enemies of pests. Many vineyard management practices have the potential to affect: canopy management, undervine and interrow treatment, – herbicides, cultivation, ground cover, covercrops – irrigation and perhaps most importantly, pesticide and fungicide use. Assessment of the impact of different management practices on invertebrates relevant to vineyard pest control: predators like lacewings, ladybugs and other beetles, spiders, predatory and parasitic flies, parasitoid wasps and predatory mites allows identification of practices which support these desirable natural enemies.

This session will highlight:

- > Techniques for assessing natural enemies
- > The impact of ground cover and partial rootzone drying
- > The role of adjacent vegetation such as remnant, woodlot, shelterbelts
- > Identifying means to promote natural control of pests while reducing the use of chemicals with associated economic and environmental costs.

3.30pm **Debate: Competition or Collaboration?**

The Panel

Industry representatives from California, New Zealand and Australia, social commentators and critics.

The Question

Will wine producing countries gain greater sales success from global collaboration on environmental performance or is global competition the way to drive sales forward?

The Outcome

You decide which direction we actively pursue.

SPONSOR PROFILES

GOLD SPONSOR SA Water

SA Water provides water, wastewater and related services to approximately 1.4 million people throughout South Australia.

On behalf of the South Australian community we are custodians of more than \$6 billion worth of assets including more than 25,000 km of water mains, 8,000 km of sewer mains, 20 water treatment plants and 24 wastewater treatment plants.

We have built strong relationships with our community, customers, stakeholders, companies and contractors and work with them to deliver our services daily. Our commitment to the State is reflected in our vision "Water for growth, development and quality for life for all South Australians."

For full contact details see Exhibitor Profiles on page 24.

SILVER SPONSOR Zero Waste SA

Zero Waste SA, a State Government agency created in July 2003, is responsible for promoting waste management practices that, as far as possible eliminate waste or its consignment to landfill. The programs managed by Zero Waste SA include:

- > Household hazardous waste collection and disposal
- > Education and information
- > State Waste Strategy and policy development
- > Regional waste strategies
- > Market and infrastructure development for recycled goods, products and materials
- > Research into alternative technologies and systems for Adelaide metro waste
- > Standardisation of best practice kerbside systems
- > Zero Waste events
- > Greening of Government Operations (waste)
- > Data collection and analysis

For full contact details see Exhibitor Profiles on page 24.

SILVER SPONSOR Grape and Wine Research and Development Corporation (GWRDC)

Australia's wine industry success has grown from a foundation of research and technology rather than tradition.

Scientific enquiry has not been confined to the vineyard and winery, however; and benefits are not measured purely in financial returns to the industry.

Effects of production on the wider environment are considered and measurement of outcomes of R&D investments includes environmental impacts.

Every GWRDC project, whether it deals with crop protection or winemaking technology, considers environmental effects. There is also a major funding program titled 'Sustainable Production' which addresses use of natural resources and sustainability of both the production base and the wider environment. Under this heading a range of projects deals with such topics as biological control of pests and diseases, non-chemical management of weeds, systems that may lead to reduced inputs, water use efficiency in the vineyard, and the impact of winery wastewater on ecosystem health.

For full contact details see Exhibitor Profiles on page 25.

NAME BADGE SPONSOR Rural Solutions SA

Rural Solutions SA is a South Australian Government owned business, and as Australia's leading rural consultancy business it provides independent, diverse and integrated solutions. Our consultants are practical experts who believe in and live by their contributions, and are focused on quality service and provide innovative tools and processes. Rural Solutions SA services encompass quality assurance programs to help satisfy export market requirements through to environmental design and waste water management strategies; from education programs through to long term strategic farm planning; from soil, plant and seed analyses through to regional and community development strategies.

For full contact details see Exhibitor Profiles on page 25.

TECHNICAL TOUR I VITICULTURE TOUR SPONSOR Agrilink Holdings Pty Ltd

Agrilink is an Australian-based company with worldwide operations in viticulture and other agricultural industries. While the core focus has been on capacitance probes for soil moisture monitoring in vineyards, recent developments have allowed for the dissemination and interpretation of a range of data from in-field sensors. AgVISE is Agrilink's Internet platform, specifically written and continuously upgraded to accept data from a wide range of sources, including sensors from other manufacturers.

SUPPORTING SPONSORS

The South Australian Wine Industry Association would like to make special recognition of the Winemakers Federation of Australia and the Australian Wine and Brandy Corporation for their speaker sponsorship support of this conference.



WINE SPONSORS



Sustainable Industries Program Food and Wine

The City of Onkaparinga and the Onkaparinga Catchment Water Management Board have jointly funded the Sustainable Industries Program with a focus on Food and Wine. This Program is working in close collaboration with Food and Wine industries of the McLaren Vale and Fleurieu Peninsula Regions to achieve sustainable business outcomes.

As the Australian Food and Wine industries expand into world markets, managing the sustainability demands is becoming a common challenge. Our local McLaren Vale and Fleurieu Peninsula industry members are no exception. These businesses share the additional pressures that operating in a prime tourism and urban development location brings. By developing appropriate business strategies, these pressures present opportunities to gain competitive advantage and promote the region. Food and Wine from the McLaren Vale and Fleurieu Peninsula region is already recognised for their particular qualities. A focus on accountable and sustainable business practices will support the capacity of the Food and Wine industries to achieve long-term success.



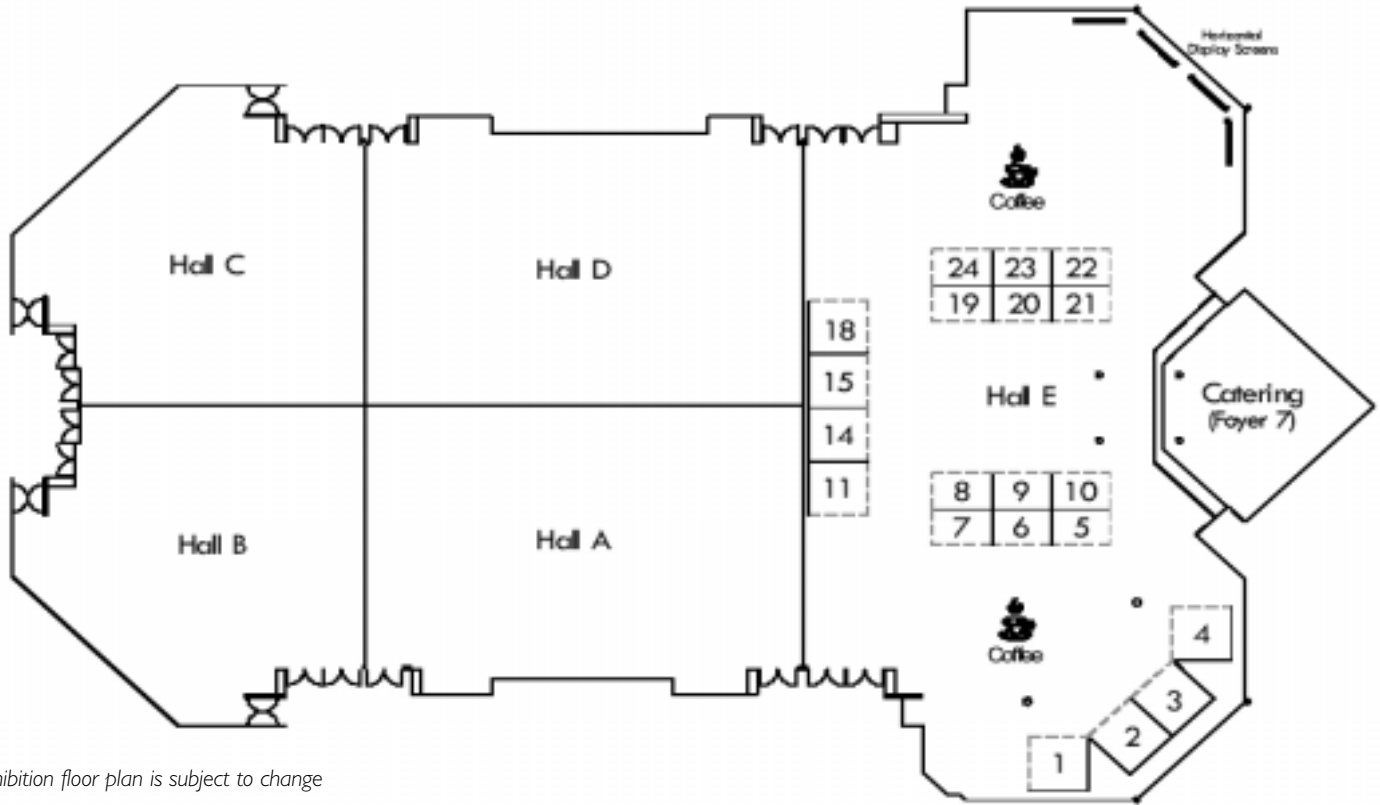
City of
Onkaparinga



Onkaparinga
Catchment Water
Management
Board

The Sustainable Industries Program is delivering the support for the local Food and Wine industry to achieve these objectives. These services are extended to all Food and Wine businesses and industry associations across the Fleurieu Peninsula. For further information on the Sustainable Industries Program, contact Julian James on 8384 0667 or juljam@onkaparinga.sa.gov.au

EXHIBITION FLOOR PLAN



Exhibition floor plan is subject to change

CGU Workers Compensation (SA) Limited
 ...proudly providing pro-active workers compensation and injury management support for the SA Wine Industry Association and its members

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Exhibitors

- 1 Sentek Sensor Technologies
- 2 SAI Global Limited
- 3 SA Wine Industry Association
- 4 The Cooperative Research Centre for Viticulture
- 5 Hydrosmart Pty Ltd
- 6 KESAB
- 7 SA Water
- 8 SA Water
- 9 Port of Melbourne Corporation
- 10 SRA Information Technology
- 11 Zero Waste SA
- 14 Tarac Technologies Pty Ltd
- 15 Winetitles
- 18 Graham A Brown & Associates
- 19 Grape and Wine Research and Development Corporation
- 20 Orica Watercare
- 21 Rural Solutions SA
- 22 Wondertreat Australia Pty Ltd
- 23 Eos Solutions
- 24 Ilum-a-lite

Posterboard Displays

- Native Grasses in Viticulture
- Ryan Publications Pty Ltd
- JJC Operations
- The Coffey Group
- SAI Global Limited



Make your wine and food event a 'Zero Waste Event'



Zero Waste SA

Zero Waste Events Subsidy Scheme

The goal of Zero Waste SA is to eliminate waste or its disposal in landfill by encouraging South Australians to reduce, reuse and recycle resources.

Many public events generate thousands of tonnes of waste which need to be disposed – empty bottles, used paper plates, plastic cutlery and glasses, packaging, unwanted food and drink, waste water, cartons and plastic bags.

The **Zero Waste Events Subsidy Scheme** helps event organisers to reduce the environmental impact of their event.

A 50 percent subsidy of any extra cost involved in running a Zero Waste event will be provided as an incentive for event managers to increase recycling and reduce waste at public events.

Zero Waste SA will also provide bin caps to approved applicants so that patrons can clearly see how to dispose of their waste.

Zero Waste Events' guidelines and application forms are available at www.zerowaste.sa.gov.au. Hard copy versions of these guidelines can also be obtained by contacting **Zero Waste SA**.

Applications for this round can be submitted until **5pm, Friday 25 February 2005**.

For information

Meet Eddie Wiczek at Booth 11 to discuss how your event can become a Zero Waste Event.
Tel (08) 8204 2003 Fax (08) 8204 1911
eddie.wiczek@state.sa.gov.au

Image courtesy South Australia State Government

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for grape and wine research

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We invite you to contact us:
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EXHIBITOR PROFILES

BOOTH NUMBER 1

Sentek Sensor Technologies

Australian based Sentek Sensor Technologies has revolutionised irrigation, fertiliser and salinity management for over 14 years with its wide range of sensing solutions.

Sentek's technology is used to visualise the invisible dynamics of the plant-water-salt-soil-atmosphere interactions into easy to understand pictures that irrigators use to manage their day-to-day irrigation, fertigation and salinity requirements. Sentek's range of products are used in agriculture, horticulture, viticulture, waste water management, research, land fill, mining and environmental industries around the world.

Mr Adrian Manera

*Principal – Corporate Marketing
Sentek Sensor Technologies*

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W: www.sentek.com.au

BOOTH NUMBER 2

SAI Global Limited

"Offering standards assurance and innovation in business globally"

SAI Global is one of the world's leading business publishing, training and assurance organisations with offices in Australia, New Zealand, the United States and across Asia. Through its extensive network of auditors, experts and training professionals SAI Global works with organisations to help them build better businesses.

SAI Global delivers an integrated range of standards and business improvement related products.

The Assurance Services Division specialises in the independent certification of management systems and products with variations of the mark being applied to different areas of certification including:

- > Quality management (ISO9001);
- > Environmental management (ISO14001);
- > Occupational Health & Safety management (AS4801 & OHSAS18001);
- > Food Safety including HACCP management (BRC, IFS, WQA, HACCP),
- > Product certification

Ms Rosalie Stravolemos

*Customer Service Coordinator
SAI Global*

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W: www.sai-global.com

BOOTH NUMBER 3

South Australian Wine Industry Association Inc

Over a Century of Service

The South Australian Wine Industry Association achieves substantial benefits for the South Australian wine industry through servicing the needs of our individual winemaker and winegrape grower members and providing tangible added value to their businesses.

The association provides an excellent range of services, practical assistance and is a one-stop-shop for members' information requirements as well as initiating actions and tackling problems that are for the collective good of the industry.

Ms Linda Bowes

Chief Executive

Mr Keith Jones

*Environment Program Manager
South Australian Wine Industry Association
Incorporated*

Industry Offices
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Adelaide SA 5000

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W: www.winesa.asn.au

BOOTH NUMBER 4

The Cooperative Research Centre for Viticulture

The Cooperative Research Centre for Viticulture (CRCV) is Australia's leading viticultural research and development organisation. It is committed to accelerating quality viticultural management from grapevine to palate to ensure the economic and environmental sustainability of Australia's grape growing industries.

The CRCV is an Australia-wide joint venture of 11 core organisations and many supporting organisations, carrying out research and development in a collaborative way and delivering innovative technologies to Australia's viticultural industries.

Mr Gerard Hogan

*National Coordinator for Viticulture
CRC for Viticulture*
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W: www.crcv.com.au

BOOTH NUMBER 5

Hydrosmart Pty Ltd

Are manufacturers who consult and install an affordable, effective chemical free, maintenance free solution to the problems caused by the minerals and chemicals in water supplies.

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Treating over 70 vineyards in SA they are fast becoming recognised as the market leader at resolution of problems previously thought unsolvable with our water supplies.

Current users vary from : d'Arrenbergs, Haans, Pikes, Berringer Blass, Grant Burge, Fox Creek, Table Grape Growers Group Australia, Geoff Hardy, Petherton Estate, St Andrews Estate etc.

2004 Winners of: Contribution to the Planet Award – Civic Trust and Rising Star award – Deloitte Touche Ross

Mr Paul Pearce

*Director
Hydrosmart International Pty Ltd*

259 Fullarton Road
Parkside SA 5063
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E: paul@hydrosmart.com.au
W: www.hydrosmart.com.au

BOOTH NUMBER 6

KESAB

The Clean Site program is an initiative of KESAB environmental solutions, the Environment Protection Authority, Zero Waste SA and developed in partnership with industry stakeholders and local government.

The program supports state and local government action to improve building practices focusing on best environmental outcomes by encouraging changes in attitude and behaviour to the environment.

Clean Site delivers innovative environmental education programs focusing on effective onsite litter and waste management, resource recovery and recycling together with controlling sediment and erosion to prevent stormwater pollution of rivers, creeks and beaches.

KESAB

214 Grange Road
Flinders Park SA 5025
P: 08 8234 7255

EXHIBITOR PROFILES

BOOTH NUMBER 7 & 8

SA Water

See Sponsor Profiles on page 19.

Ms Kelly Westell

*Manager Corporate Communications
SA Water*

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BOOTH NUMBER 9

Port of Melbourne Corporation

The Port of Melbourne - Australia's gateway to the world

The port is not only the gateway to the world for Victoria, but for the rest of the nation as well. Melbourne's geographical location makes it the natural transport hub for south-eastern Australia. Located at the junction of the State's major road and rail networks it provides excellent access to South Australia, Western Australia, regional New South Wales and the east coast of the Australian mainland. Melbourne is also the primary mainland port for the transfer of Tasmanian cargoes, linking international shipping services. It has a strategic focus in securing the Port of Melbourne as the principal national gateway for Australia's international trade by facilitating improved transport links to and from the port and cost effective logistic solutions for cargo owners and shipping lines.

Ms Trudy Elliott

Business Development Manager, South Australia

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BOOTH NUMBER 10

SRA Information Technology

SRA Information Technology is a leading provider of Information Technology personnel and services, and will be demonstrating Envirosys.

Envirosys manages environmental, health, safety and community data obtained from static monitoring devices and manually gathered samples, and enables easy reporting to regulatory bodies.

Envirosys allows user definition of any program, test site, analysis, criteria and guideline.

Envirosys stores standards and guidelines which are applied to data to monitor exceedences, e.g. monitoring acidity levels of dam water.

EnviroSys includes direct interfaces to MS Office, GIS Tools, etc.

EnviroSys enables the dynamic capture and reporting of information over the Internet by authorised users.

Mr Chris Levingston

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BOOTH NUMBER 11

Zero Waste SA

See Sponsor Profiles on page 19.

Mr Eddie Wilczek

Project Manager

Zero Waste SA

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BOOTH NUMBER 14

TARAC Technologies Pty Ltd

In 1929, the company's founder A J Allen, invented processes and equipment to extract alcohol and tartrates from wine by-products. Since then, Tarac Technologies has invested heavily in developing these processes, where today Tarac branded products are renowned and respected by companies around the world. Culturally committed to research and development, Tarac Technologies is focused on transforming natural grape tannins and extracts into valuable additives for the wine, food and beverage industries.

Tarac and the environment

Tarac's commitment to the environment is unchallenged. The company collects and processes significant quantities of winery residue in Australia each year. It is committed to the recycling of its own residuals, returning them for compost or stock feed. Plans are in place for liquid by-product to be treated and returned to irrigate vineyards and pasture.

Mr Chris Zajac

Joint CEO

Tarac Technologies Pty Ltd

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BOOTH NUMBER 15

Winetitles

Winetitles is the premier publisher to the Australian and New Zealand grape and wine industries. Over the past 23 years Winetitles has built a reputation for quality publishing in both print and electronic format. The Australian and New Zealand Wine Industry Journal, Australian Viticulture and The Australian and New Zealand Wine Industry Directory deliver high quality, up-to-the-minute information on grapegrowing and winemaking. Winetitles also publishes and distributes an extensive range of viticulture and oenology books which can be easily browsed and ordered online.

Ms Alison Atkinson

Winetitles Pty Ltd

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BOOTH NUMBER 18**Graham A Brown & Associates**

Graham A Brown & Associates is a highly skilled team of environmental and occupational health and safety specialists based in Newcastle, New South Wales, Australia. Graham Brown formed Australia's first full-time, independent environmental consultancy in 1970, and our team now provides excellence in customer service to clients worldwide through the provision of our complete product cycle which includes software, publications and manuals, self-assessment audit protocols and training. The consultancy also provides environmental consulting services for industry and governments in Australia and internationally, including environmental auditing and the development of environmental management systems using our unique EMS Mentoring Program.

Mr Aaron Westwood

Graham A Brown & Associates

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Newcastle NSW 2300

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W: www.grahamabrown.com.au

BOOTH NUMBER 19**Grape and Wine Research and Development Corporation**

See Sponsor Profiles on page 19.

Grape and Wine Research and Development Corporation

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Kent Town SA 5071

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F: 08 8222 9267

E: gwrdc@gwrdc.com.au

W: www.gwrdc.com.au

BOOTH NUMBER 20**Orica Watercare**

Orica Watercare is Australia's leading supplier of chemical based water and wastewater treatment products and technologies.

The Orica Watercare team include experienced engineers and scientists with the skills to develop effective solutions to water and wastewater treatment challenges.

In partnership with our customers and research and development bodies, Orica Watercare has an outstanding record of developing and bringing to market new and innovative solutions to current and future water treatment problems both in Australia and internationally.

Orica Watercare

P: 03 9283 6283

W: www.orica-watercare.com

BOOTH NUMBER 21**Rural Solutions SA**

See Sponsor Profiles on page 19.

Mr Alex Aleksic

*Business Development and Marketing Consultant
Rural Solutions SA*

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BOOTH NUMBER 22**WonderTreat Australia Pty Ltd**

WonderTreat is an innovative bioremediation product containing all natural ingredients for the treatment of wastewater generated in a winery. By providing seeds of selected microbes, WonderTreat can improve the performance of a biological treatment system by:

- > Degrading glucose and fructose in the wastewater;
- > Influencing the fermentation of organic volatile materials;
- > Reducing algal growth;
- > Controlling odour emission.

Peter Lehmann Winery in South Australia has been using WonderTreat regularly for one year and has reported positive results. WonderTreat can be simply added to an existing system without any modifications required to the current facilities.

WonderTreat Australia Pty Ltd

1 Anzac Highway, Keswick SA 5055

P: 07 3367 0447

F: 07 3367 0437

W: www.wondertreat.com

BOOTH NUMBER 23**Eos Solutions****Delivering effective compliance management solutions**

Compliance affects every business manager responsible for satisfying either general (such as environmental and occupational health and safety) or industry specific legal requirements. An effective compliance culture can protect the bottom line by reducing the risk of both civil and criminal liability, as well as generating a valuable marketing spin-off in brand and corporate reputation.

Eos Solutions deliver web-enabled compliance management solutions to help you develop an effective compliance program, including:

- > Documented policies and procedures addressing operational and behavioural issues;
- > Regular monitoring and data collection including auditing and incident reporting;
- > Continuous process improvement through corrective and preventative actions.

Visit Eos Solutions in the AWIEC Exhibition Hall for a demonstration of compliance management solutions and learn about how this technology has been applied in the Australian wine industry.

Mr Peter Tapscott

*Business Development Manager
Eos Solutions*

P: 1300 658 720

W: www.eos-solutions.com.au

BOOTH NUMBER 24**Illum-a-Lite**

Illum-a-Lite, founded in 1997, has designed and manufactured the Light Eco range of products all sharing the common feature of reducing the cost of fluorescent lighting by 30%. The product range caters for 10, 16 and 20 amp circuits and voltages from 200 to 260 volts. A 277-volt unit has been developed for the North American market.

Exports are recognised as the growth opportunity for the product. In addition to the Australian market, installations are in Hong Kong, New Zealand, Philippines, Indonesia, Thailand, Singapore, Greece, Slovakia, Holland and Scandinavia.

The company is based in Sydney.

Mr Brian Ballard

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Illum-A-Lite*

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POSTERBOARD PROFILES

Ryan Publications Pty Ltd

The Australian & New Zealand Grapegrower & Winemaker magazine is proud to support sustainability in the wine industry through its sponsorship of the 2005 Environmental Conference. Grapegrower & Winemaker, now in its 42nd year of monthly publishing, is the leading national journal for the wine industry. In addition to grapegrowing and winemaking news, we publish environmental, cellar door, marketing, business, legal, tax and export news and information throughout the year, plus regular seasonal features. Our focus is on publishing technical research information, combined with practical columns from industry experts, specific case-studies, and Forums involving viticulture and winemaking personnel.

Mr Justin Brady

*Managing Editor
Ryan Publications Pty Ltd*

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JJC Operations

JJC Operations is a small team of specialised engineers with a reputation as industry leaders in Industrial Waste Water Treatment and Reuse. With over twenty years experience across a range of industries, our aim is to provide innovative, robust and cost effective solutions for waste water treatment.

JJC have a proven track record in the following areas:

- > Waste Minimisation
- > Process Design and Construction
- > Plant Operation and Maintenance
- > Environmental Monitoring and Reporting

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John Constable

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The Coffey Group

The Coffey Group (Coffey), including Coffey Geosciences Pty Ltd, is one of Australia's leading environmental, geotechnical and groundwater consulting groups. Coffey has 40 years of experience providing consultancy services on over 80,000 projects in the agriculture (including viticulture), industrial (including wineries), government and construction sectors. Coffey International Limited, the holding company, is listed on the Australian Stock Exchange.

Coffey has offices throughout Australia and overseas and has approximately 400 permanent staff including environmental scientists, engineers and economists.

Coffey's Environmental Services Division provides services addressing environmental management, environmental impact assessment, facility audits, surface and groundwater quality assessment, contaminated land auditing, waste management, community consultation and environmental training.

Isobel Stanley

P: 03 6223 7999

Roger Grounds

P: 08 8352 1744

Nick Bull

P: 08 8443 5600

Native Grasses in Viticulture

The 'Native Grasses in Viticulture' poster display is part of the Bureau of Rural Sciences (though the Department of Agriculture, Fisheries & Forestry) 2004 Science Awards program for young people (in Agriculture, Fisheries & Forestry). The funds for this particular project were made available from the Grape & Wine Research and Development Corporation.

The recipient of the 2004 Science Award for Viticulture, Tim Zwiarsen, is undertaking a project to investigate the potential using of native grasses in viticultural practice. Tim is assessing the resources available, and collaborating with the native grass industry and relevant government and non-government organisations to encourage individual growers, companies and regions to undertake trials of native grass species for mid row management.

Mr Tim Zwiarsen

Attunga Vineyard
PO Box 123, Auburn SA 5451
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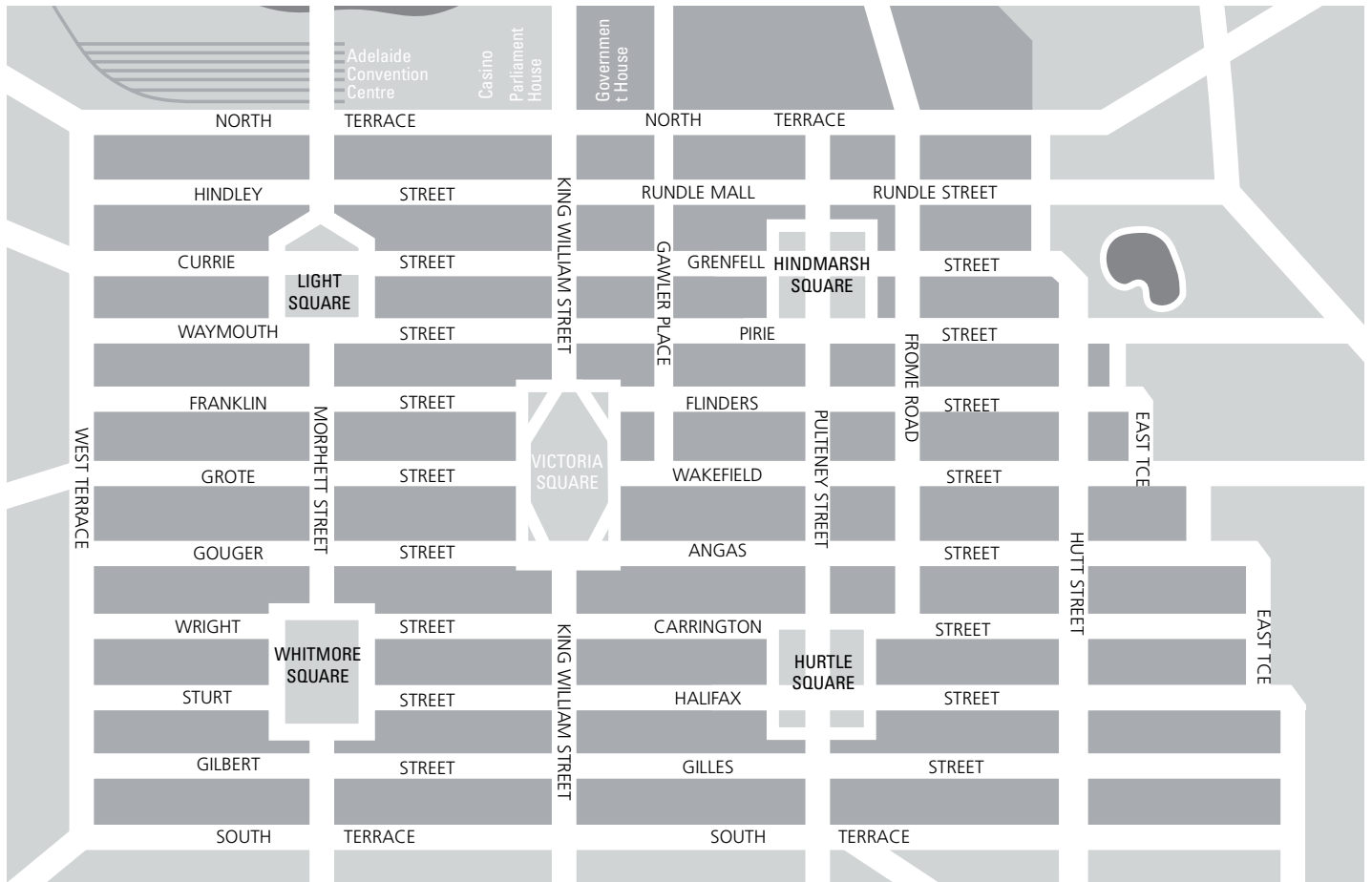
SAI Global Limited

Ms Rosalie Stravolemos

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MAP OF ADELAIDE



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For more information on how you can protect your profits and cash flow, please call NCI on 1300 654 500.



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EVALUATION FORM

The 3rd Australian Wine Industry Environment Conference & Exhibition Organising Committee would greatly appreciate your feedback. Please complete this form, circling your choices, and leave it at the Registration Desk. Thank you.

1 How did you become aware of the conference?

- Direct mail of hard copy Registration Brochure
- Direct email of Registration Brochure
- Through workplace
- Website
- Advertisement in _____
- Other _____

2 How did you rate the Adelaide Convention Centre as a venue?

Poor					Excellent
Room size/comfort	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
Catering	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
Audio-visual	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

Additional comments:

3 Please rate the following aspects of the Conference from 1 (poor) to 5 (excellent):

- a Registration Procedures _____
- b Conference Management _____
- c Trade Exhibition _____
- d Keynote Addresses _____
- e Stream Sessions _____
- f Debate _____
- g Conference Dinner _____
- h Technical Tours _____
- i Catering _____
- j Overall Rating _____

Additional comments:

4 What were the highlights of the program?

5 Were there any aspects that did not meet your expectations?

6 How did you rate the Exhibition?

Poor Excellent

1 2 3 4 5

Additional comments:

7 What was the highlight of the Exhibition?

8 Suggestions for future conferences

- a Workshop Subject _____
- b Key Topics _____
- c Suggested Keynote Speakers _____
- d Best Part (keep it there) _____
- e Worst Part (get rid of it) _____
- f Other Suggestions _____

9 Do you think the knowledge you have gained from attending the conference will help you improve environmental performance in your workplace or company?

YES NO

Name: _____

Organisation: _____

