



Australian Government

**Grape and Wine Research and
Development Corporation**



Valuing Your R&D

Dr Mark Krstic

Program / Innovation Manager GWRDC



Presentation Overview

- **GWRDC Overview**
- **What are we doing specifically in the Murray Valley?**
- **Accessing GWRDC funding programs**
- **The DAFF / GWRDC Irrigated Industries Program**



GWRDC Overview

- **Statutory Authority established under the Primary Industries and Energy Research and Development Act 1989 (PIERD Act).**
- **Approximately \$2/tonne (Grape Research Levy).**
- **Approximately \$5/tonne (Wine R&D Levy).**
- **Matched by Commonwealth Government up to 0.5% GVP.**
- **Approximately \$20M per annum available for R&D**



GWRDC Overview - Board


- **Dennis Mutton (Chair)**
- **Kathy Grigg (Deputy Chair; Chair Audit Committee)**
- **Brian Engelfield (RITA/RDI Committee Chairman)**
- **Terry Lee (R&D Committee Chairman)**
- **Jim Caddy**
- **Doug McWilliam**
- **Peter Hayes**
- **John Harvey (Executive Director)**

Currently in process of selecting new board




GWRDC Overview – Program Structure

Program 1 – Market & Consumer Understanding	9 %
Program 2 – Winemaking Excellence	29 %
Program 3 – Grapes for Purpose	7 %
Program 4 – Sustainability of Industry	29 %
Program 5 – Smart Science – Practical Solutions	26 %



GWRDC Overview – Role Description

- **Program / Innovation Manager at GWRDC**
- **Manage Program 5 – Smart Science – Practical Solutions**
- **Establish and coordinate ‘Innovators Network’**
- **Coordinate redevelopment of GWRDC website**
- **Use Innovators Network as source of investment knowledge**
- **“Other Duties”**
 - **GWRDC / DAFF irrigated industries program coordination**
 - **GWRDC Newsletter published by Winetitles**
 - **Other “Industry Impact” opportunities**



GWRDC Overview - Innovators Network

- **Recognises the 'Private Sector' importance and contribution to extension / technical transfer activities.**
- **Composed of consultants, winery GLO/viticulturists, industry IDOs, suppliers and agribusiness representatives.**
- **Operate as a separate group within an individual growing regions, e.g. Riverland, Riverina, Sunraysia, etc.**
- **Functionality may differ between regions, and where possible will fit in with existing entities.**

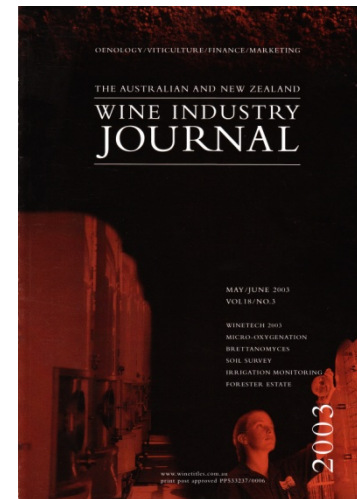
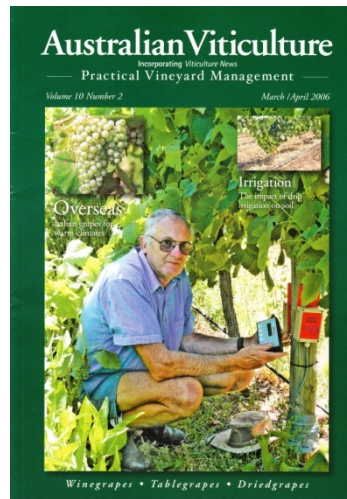


GWRDC Overview - Website Redevelopment

- **GWRDC website to be a key industry portal (linked)**
- **Links to current news and articles in media.**
- **Factsheets, project summaries and final reports.**
- **Searchable formats**
- **New features – Podcasts, user priority setting, etc**
- **Advanced user statistics functions – for evaluation**
- **Provide future links to potentially new business platform**

GWRDC Overview - Winetitles

- Getting R&D at Work into popular industry trade journals.
- GGWM – 8000 national distribution every month.
- AV – 2500 national distribution bimonthly.
- ANZWIJ – 2500 national distribution bimonthly.
- Links to website.





GWRDC Overview - Impact Opportunities

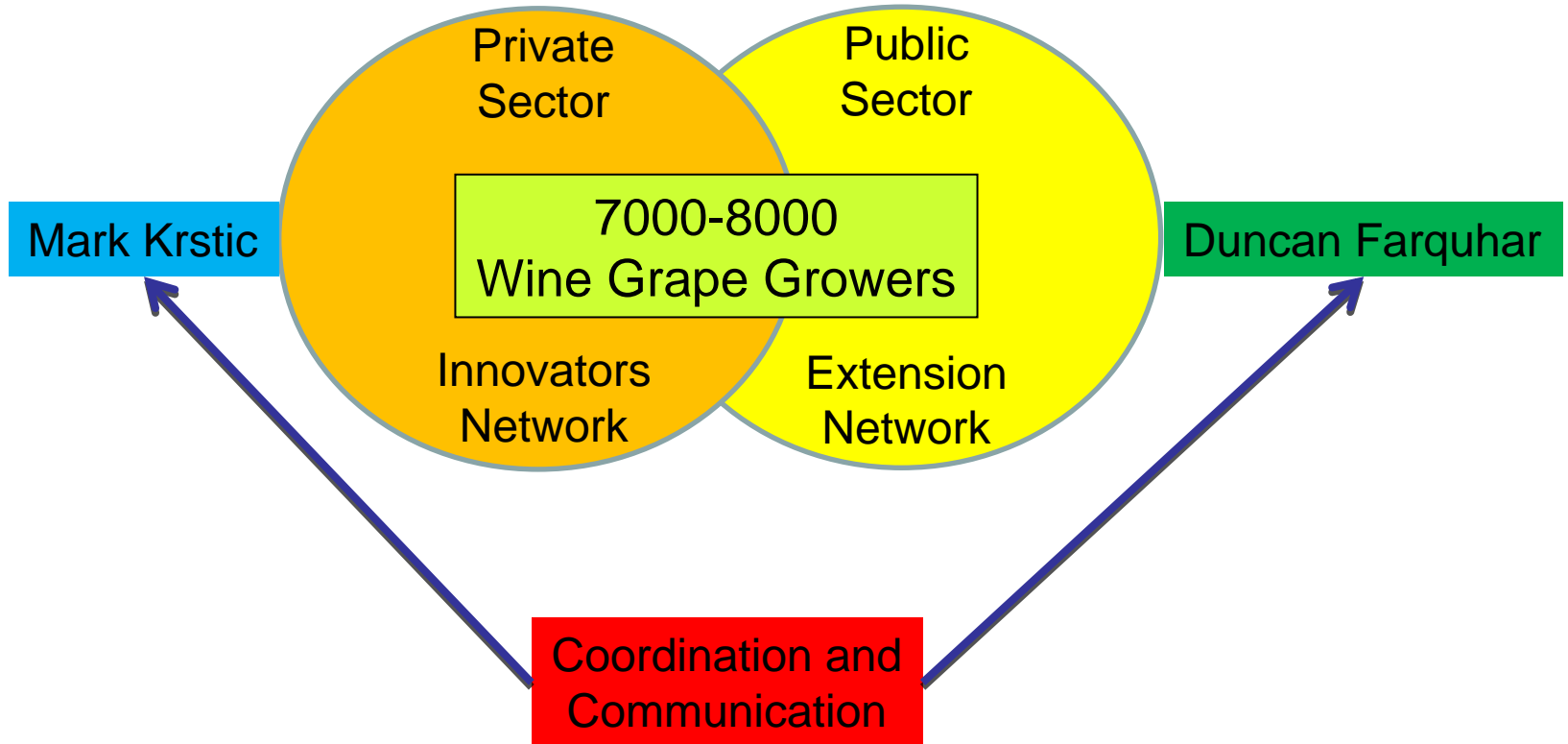
- **Industry Workshops – Tannins and Smoke Taint.**
- **Advanced spray application – ChemCert course.**
- **Greenhouse Gas Research to Practice™.**
- **Identification of key areas to develop coordinated campaigns, e.g. Powdery mildew, crop estimation and yield regulation.**
- **Better targeting and coordination of RITA activities within industry – more strategy driven approach!!**



GWRDC Overview - Duncan Farquhar

- **National Extension Coordinator / Manager – Duncan Farquhar**
- **To provide leadership and coordinate the 22.5 FTE extension officers employed by the 6 State Departments of Agriculture / DPIs in viticulture extension activities (public sector extension pathway).**
- **Develop a comprehensive extension and training plan to provide guidance to the above group.**
- **Act as the key conduit of information in/out of the Winegrowing Futures Program at Wagga Wagga NWGIC.**

GWRDC Overview - Duncan Farquhar



Current Activity in Murray Valley - CSIRO

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CSIRO – Plant Industry

- Grape composition and sensory quality of wine from salt excluding rootstocks (CSP 06/05).
- Rootstock breeding and development for Australian wine grapes (CSP 05/03).
- Optimising canopy function to increase yield while maintaining quality (CSP 05/01).
- Achieving water use efficiency and improved drought tolerance with rootstocks (**potential**).

Murray Darling

Current Activity in Murray Valley – Vic DPI

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Victorian DPI

- Riverlink (DNR03/04).
- Biological control of grapevine scales (DNR 03/01).
- Viticultural management of grape tannin and anthocyanin (DPI 05/01).
- Powdery mildew management in vineyards (DPI 06/03).
- Review and packaging of current viticultural Nutritional management information (DPI 06/05).

Murray Darling

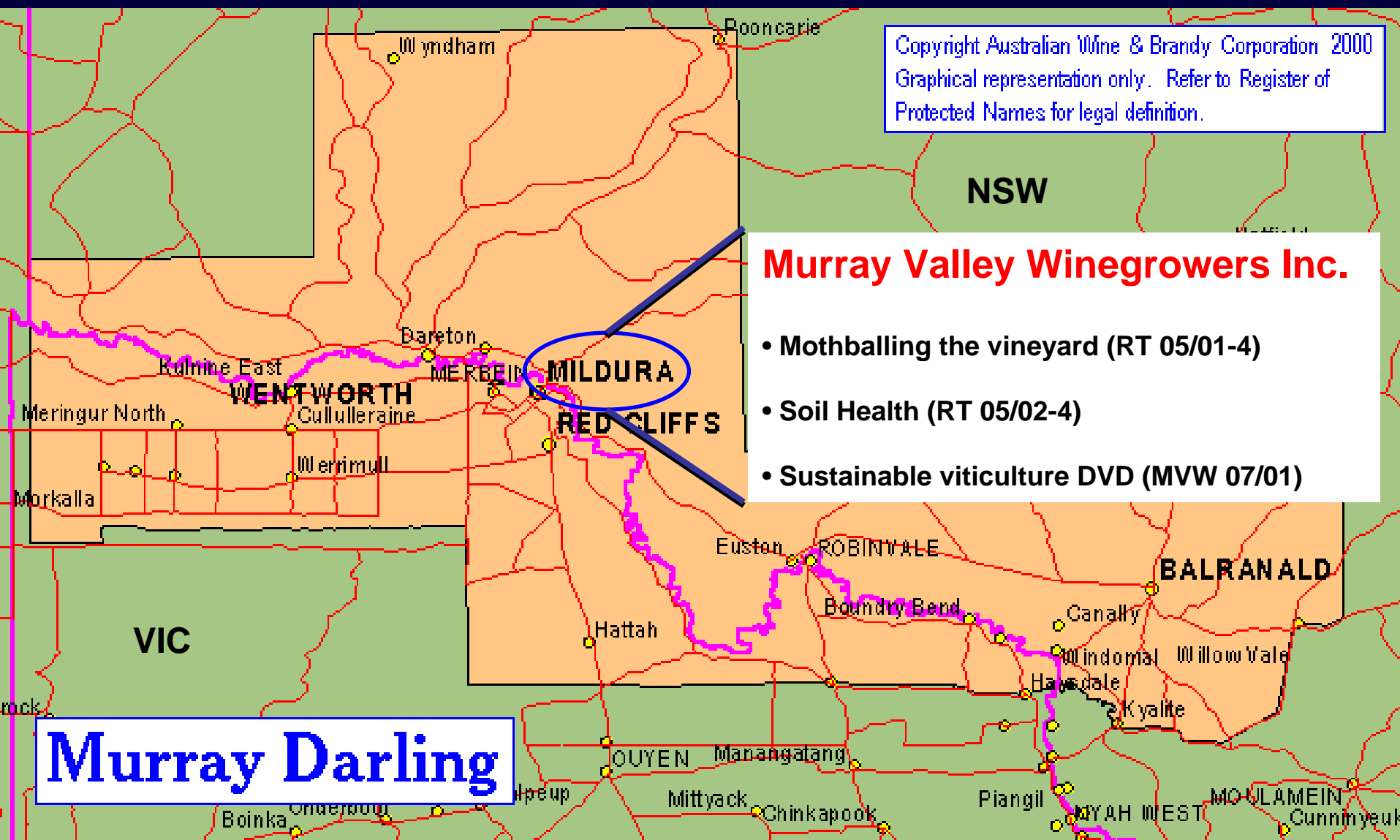
Current Activity in Murray Valley - MVWI

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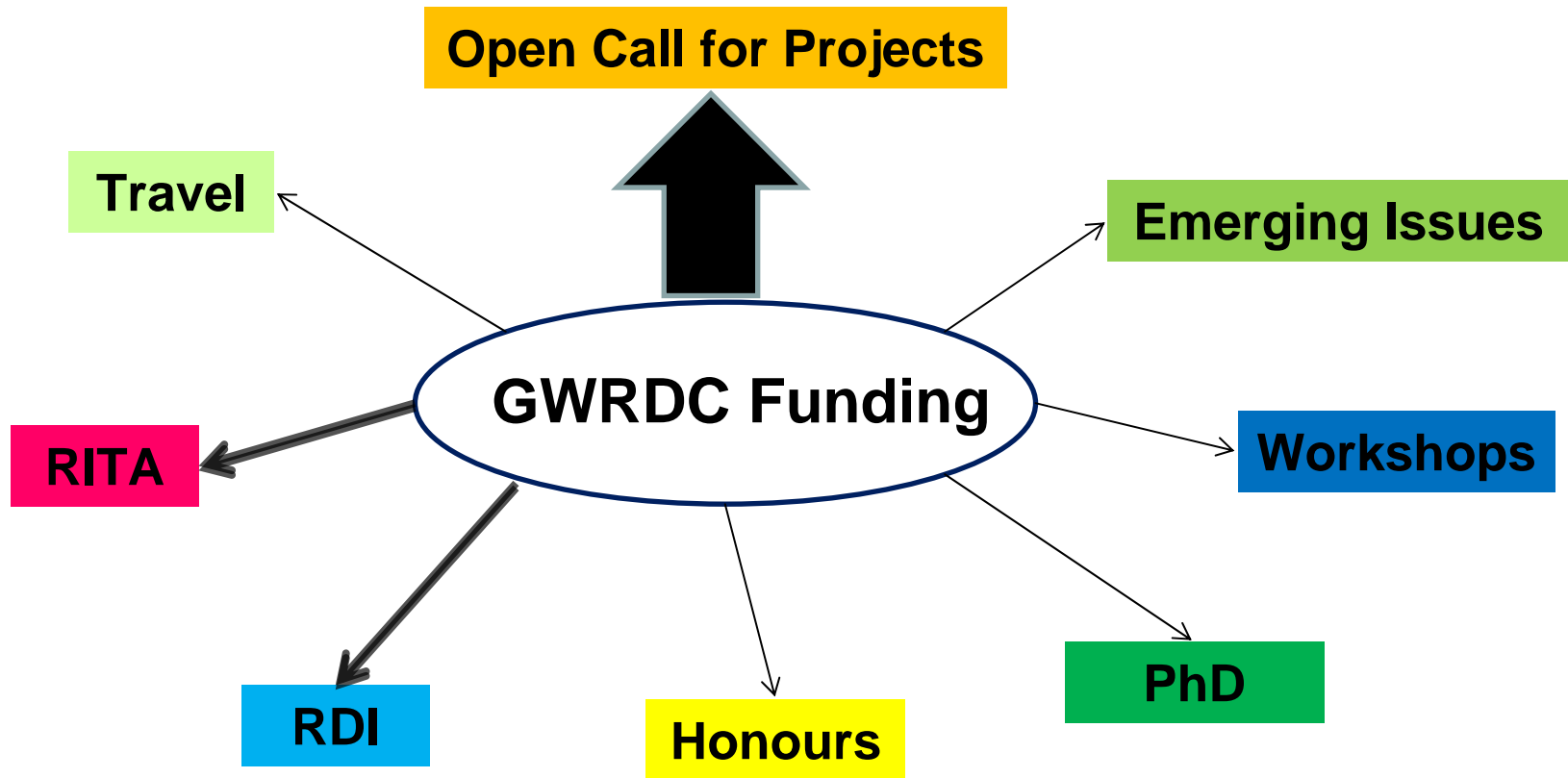
Murray Valley Winegrowers Inc.

- Mothballing the vineyard (RT 05/01-4)
- Soil Health (RT 05/02-4)
- Sustainable viticulture DVD (MVW 07/01)

Murray Darling



Accessing GWRDC Funding Programs





GWRDC / DAFF Irrigated Industries Program

- **\$1.3M (GST Inclusive) announced by the Federal Govt in late-September 2007 as drought funding to wine industry.**
- **Phase 1 – delivered under tight timelines in October 2007 in Riverland (SA) and Murray Valley (VIC/NSW).**
- **Focussed on delivery of CCW Water Purchase and Budgeting tool to in a ‘train-the-trainer’ format.**
- **Conducted evaluation of Phase 1 – reached over 887 growers in these 2 regions within 6 weeks.**



GWRDC / DAFF Irrigated Industries Program

- **Have undertaken stakeholder consultation for Phase 2 (>June 2008).**
- **Looking to development of 11 modules for delivery via innovators network and IDO subset of this group.**
- **These will be delivered in the following regions:**

GWRDC / DAFF Irrigated Industries Program



Phase 2 - 2008



- Populated places
 - Greater than 1 000 000
 - 100 001 - 1 000 000
 - 20 000 - 100 000
 - Less than 20 000
- Population figures based on 1991 Census data
- Road, principal
- Selected railways
- Spot elevation
- State boundary
- River, perennial
- River, non-perennial
- Lake, perennial
- Lake, non-perennial
- Reef



GWRDC / DAFF Irrigated Industries Program

Module No.	Title
1	<i>Post-Harvest Care of Vines (irrigation, nutrition and salinity management)</i>
2	<i>Managing the conversion to drip irrigation and sub-surface drip irrigation in vineyards (pitfalls and post-conversion scheduling techniques)</i>
3	<i>Sustainable salinity management on your vineyard</i>
4	<i>Insights into varietal and rootstock differences in water use (preliminary findings)</i>
5	<i>Insights into the relationships between yield and water in wine grapes</i>
6	<i>Water allocation scenarios in key regions within the Murray Darling Basin for the 2008/09 season and beyond</i>
7	<i>Regional case studies (practical 'how did I manage this season') – 6 in total</i>
8	<i>How water allocation decisions are made within the Murray Darling Basin</i>
9	<i>Regional adaptation and delivery of the Water Purchase and Budget Tools to the Riverina and NE Victoria regions</i>
10	<i>Painting the picture - what to look out for your business</i>
11	<i>Understanding how vines cope with periods of hot weather and extended drought conditions (Advanced Vine Water Relations / Physiology)</i>



GWRDC / DAFF Irrigated Industries Program

- **Idea is to roll out these modules in in each region during Aug/Sept 2008. Each region able to self-select what they want.**
- **Post-harvest module will be delivered later in year at a time which is more practical to the industry.**
- **Any questions please contact Mark Krstic on:**
- **mark@gwrdc.com.au or (08) 8273 0500**



Acknowledgements

- **Mike Stone (MVWI)**
- **Drought Program Implementation Steering Committee**
- **DAFF Irrigated Industries Workshop Program**
- **Levy Payers**



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