

YOUR CHANCE TO CHANGE THE COURSE OF THE SWAN

RMSO

 CENTRE FOR WATER RESEARCH

THIS IS YOUR OPPORTUNITY TO REAP THE BENEFITS OF TAKING A LEADERSHIP STANCE IN THE MONITORING AND MANAGEMENT OF THE VITAL SWAN-CANNING RIVER BASIN SYSTEM.

To champion the world's first Real Time Management System (RMSO).

Simply put, the RMSO is a powerful freely available interactive website that engages, connects and encourages all Western Australians to participate in the care and protection of our river.

It provides 'real time' easy to understand information on the impacts of development, climate change, effluent disposal, nutrient enrichment, and pathogen dispersal on our coastal ocean receiving waters.

There is already a lot to be proud of. The RMSO global breakthrough has been wholly created and developed by the Centre for Water Research (CWR) at The University of Western Australia, and it is currently being used in Sydney, Melbourne and around the world.

The CWR's RMSO is a world first, it was created and developed right here in Western Australia.



RMSO



All RMSO information is easily accessible and understandable.

The RMSO showing the number of days the water remains in the Swan-Canning River Basin in real time.



IF YOU ARE NOT PART OF THE SOLUTION, WILL YOU BE SEEN AS PART OF THE PROBLEM?

Government Departments, Councils, schools, and industry have all seen the advantages of optimising our water management, and are getting involved with the RMSO.

As a sponsor you or your company will be given visible recognition and credit for contributing to our invaluable water resources by:

- Installing further state-of-the-art monitoring equipment in the Swan-Canning River Basin
- Extending the potency and application of the RMSO
- Connecting with schools and developing a partnership with the Millennium Kids (a statewide education network and a new generation of environmental leaders and scientists)
- Further developing this already accessible web resource to become even more responsive to community demands and questions

Could there be a more relevant and compelling way to demonstrate your company's social and corporate responsibility than the monitoring and management of our most precious resource?



THE RMSO IS ALREADY BEING USED AROUND THE WORLD.

The Centre for Water Research's RMSO is the management system of choice for Sydney Catchment Authority (SCA) for the management of their major water supply.

The RMSO is a powerful tool that allows SCA to deliver the best quality water to 60% of the NSW population. The RMSO's early warning system enables SCA to accurately forecast contamination threats in their water storages up to ten days in advance. The potential for decline in water quality is identified in advance and action is taken to minimise the impact, as judged in terms of operational cost and ecosystem and community health risks.

SYDNEY CATCHMENT AUTHORITY



RMSO





LAKE ISEO (ITALY)

Lake Iseo in the alpine Lombardy region of northern Italy is another site where the Centre for Water Research's RMSO has been implemented.

An international team of scientists from Italy and the United Kingdom led by Professor Jorg Imberger and Dr Clelia Marti completed field observations and installation of lake monitoring equipment in Lake Iseo as part of ongoing management of the lake. All deep sub-alpine lakes of Europe have become susceptible to the dual impact of climate warming and increased nutrient loading leading to faster oxygen depletion at depth posing a potential threat to the whole lake ecosystem. The RMSO is now running at Lake Iseo providing a management framework to alleviate this threat.

RMSO







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RIO DE LA PLATA (ARGENTINA)

Rio de la Plata is the river and estuary formed by the confluence of the Uruguay River and the Parana River and is the main source of drinking water to approximately 13 million people from the cities of Buenos Aires and La Plata.

The Estuary has suffered frequent occurrences of algae blooms, which impacts on the quality of the drinking water. With only a one hour reserve of clean water, the Centre for Water Research (CWR) was commissioned by the Argentinan Government to provide a longer forecast of water quality predictions in order to allow emergency response measures to be put into place should such an event occur again in the future. CWR's RMSO has now been implemented for Agua y Saneamientos Argentinos and delivers a three day forecast to the water authority on any impending algal problems.



RMSO





MARINA BAY (SINGAPORE)

The Centre for Water Research's RMSO provides real time forecasting for water quality in the Marina Reservoir that is being created by the construction of a barrage across the Marina Estuary. The multi-million dollar Marina Reservoir is part of the Singapore Government's commitment to create a new waterfront lifestyle for the city of Singapore, as well as provide flood control and water supply. The competing objectives of the reservoir therefore require a sophisticated management response, particularly as the catchment is predominantly urban and therefore contains high levels of pollutants. The RMSO provides a web based management system to optimize water usage.

PROFESSOR JORG IMBERGER



Professor Jorg Imberger has been the Director of the Centre for Water Research since its inception in 1982. Under his direction the Centre for Water Research has developed an international reputation for its leading edge technology in realtime management of water resources, and is now used globally.

Professor Imberger has been honoured with numerous local, national and international awards. In 1996 he received the Stockholm Water Prize, the world's most prestigious prize for outstanding achievement in water related activities. In 1995, Professor Imberger won the Onassis Prize in the category "Man and his Environment".

In 2006 Professor Imberger became one of five Australians to be recognised by the US Academy of Engineering for contributions to and international leadership in the environmental fluid dynamics of lakes, reservoirs, estuaries, and coastal seas.

He was awarded the Redfield Lifetime Achievement award from the American Society of Limnology and Oceanography in 2007.

Nationally, Professor Imberger has received the Clunies Ross National Science and Technology Award twice, the Centenary Medal, the James N Kirby Award, the Peter Nicol Russell Memorial Medal and an Order of Australia. Locally, he was Western Australian Citizen of the Year for The Professions in 1996 and in 2009 was the Western Australia Premier's Scientist of the Year.

THE TEAM



The RMSO team is made up of committed and enthusiastic scientists, engineers, technical and administrative staff.

The team is led by Professor Jorg Imberger who with Dr Clelia Marti ensures the scientific integrity of the project. Roger Head, a Senior Electronic Engineer, has responsibility for designing and building our monitoring equipment. Greg Attwater, a Senior Calibration Technician, deploys field instrumentation and Carol Lam, a Software Project Officer, designs and implements software for the acquisition, management and analysis of the data. Lee Goodyear, a Software Engineer, is the architect of the RMSO system and implements client specific software solutions. Caroline Wood, Manager of Special Projects, oversees community engagement.

CENTRE FOR WATER RESEARCH

The Centre for Water Research (CWR) was created in 1981 as a result of a joint University of Western Australia and WA State Government initiative. Our knowledge, understanding and tools have been successfully applied to the operation and management of reservoirs used for drinking water, power generation, flood control and in the sustainable management of rivers, artificial and natural lakes and wetlands, estuaries and coastal seas.

Our methodology combines the design and deployment of field instrumentation, development and installation of data management and visualisation software, detailed numerical modeling and/or laboratory investigations, and expert scientific analysis, advice, and reporting. Our integrated team of scientists, engineers and technicians offer international best-practice in all four fields, ensuring that the solutions offered by CWR are always innovative and of the highest quality.

CWR has a long history of working with local, national and international industry, government and non-government agencies to deliver leading edge technologies for the management of aquatic systems. In the past three decades, CWR has undertaken projects across Australia, in Singapore, Japan, Israel, Saudi Arabia, Germany, the US, Canada, Brazil, Argentina, Venezuela, Colombia, Italy, Malaysia and Laos.



THE UNIVERSITY OF WESTERN AUSTRALIA

Established in 1911, The University of Western Australia is responsible for almost 70% of university-based research and development in Western Australia and is ranked second for research in Australia taking account of its size.

UWA's mission is "to advance, transmit and sustain knowledge and understanding through the conduct of teaching, research and scholarship at the highest international standards, for the benefit of the Western Australian, Australian and international communities"

UWA now has more than 21,000 students enrolled for undergraduate and postgraduate courses as well as cross-institutional and enabling courses. The University's performance in international rankings, awards and grants reflects the quality of its teaching. In 2009, The University was ranked 113th in the world according to the Shanghai Jiao Tong University Academic Ranking of World Universities, up 14 positions from 2008.



THE UNIVERSITY OF
WESTERN AUSTRALIA
Achieving International Excellence



SPONSORSHIP

BENEFITS OVER 18 MONTHS	PLATINUM \$100,000 Limited to 1	GOLD \$25,000 Limited to 5	SILVER \$10,000 Limited to 10	BRONZE \$5,000 Limited to 20
Naming rights on highly visible instruments on the Swan Canning	✓			
Exclusive invitation to join Jorg and the team on an international (e.g. Italy, Argentina) field trip (all local expenses paid only)	✓			
Exclusive direct private access and consultations with Professor Jorg Imberger (2-3 hours monthly)	✓	✓		
Company logo on all printed and electronic material (Platinum sponsor to have prominence)	✓	✓		
Company logo and link to your company website from RSMO website	✓	✓	✓	
Group 'big picture' consultations with Professor Jorg Imberger	✓	✓	✓	✓
Exclusive local team building field trips with Jorg and the team (at nominal minimal cost)	✓	✓	✓	✓
Networking evening with all sponsors and guest	✓	✓	✓	✓
Tailored services at reduced rates	✓	✓	✓	✓
Company Logo/Name on main CWR website (approx 5000 unique visitors a month, between 10,000-15,000 visits per month and about 180,000 – 314,457 hits per month) and link to your company website	✓	✓	✓	✓
Sponsors certificate	✓	✓	✓	✓
Full page West Australian press ad acknowledging sponsorship status	✓	✓	✓	✓
Media launch event acknowledging sponsorship status	✓	✓	✓	✓
Tax deduction	✓	✓	✓	✓

An RSMO sponsorship is a unique opportunity to be recognised locally, nationally and internationally.

For more information on all the benefits of this 18 month sponsorship opportunity please call Caroline Wood on (618) 6488 2466.



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CONTACTS

RMSO

www.rsmo.com.au



www.cwr.uwa.edu.au



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All photography by CWR team

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