

# CONFERENCE PROGRAMME

## Tuesday 5 April

8.30am – 5.30pm PRE-CONFERENCE & PRE-TOUR REGISTRATION [OAMARU OPERA HOUSE]

### BNZ PRE-CONFERENCE TOURS

The Pre-Conference Tours are back for 2016 and will be held on Tuesday 5 April. There will be three tours to choose from, one full day tour option starting in the morning and two half day tours starting in the afternoon. All tours visit various points of irrigation interest around the wider Waitaki region.



#### FULL DAY 'WAITAKI' TOUR / 9.00AM – 5.30PM

We offer insights in to on-farm, scheme and catchment management for one of the most reliable water resources in the country. We look at the challenges and opportunities that the geography of this region has provided and the systems and processes developed to manage it. We speak with irrigators and schemes along the south and north bank of the mighty Waitaki River and capture the official opening and view the new infrastructure for Morven Glenavy Ikawai- Waihao Downs Irrigation scheme.

#### HALF DAY 'SOUTHSIDE' TOUR / 1.00PM – 5.30PM

We visit two schemes (Lower Waitaki irrigation scheme and North Otago Irrigation scheme) – delivering water for farmers and providing benefits beyond the farm gate to the wider community. We look at on-farm transformations. This tour is all about irrigation scheme development for shareholders, for and with the community – about being efficient and effective.

#### 'HALF DAY 'WAITAKI'S PAST, PRESENT & FUTURE WEALTH' TOUR / 1.00PM – 5.30PM

Waitaki has a long and proud agricultural history. A relaxed tourist tour for you and your partner, this tour highlights that using their local water resource is nothing new for those living in the Waitaki! We visit Clarks Mill (1885) the sole remaining flour mill with its early machinery still intact. From here we travel to Totara Estate, historic farm and birthplace of New Zealand's billion dollar frozen meat industry – join us around the swaggers campfire for an afternoon tea of "billy tea" and scones before heading for a look into the present and future wealth of the Waitaki region – it still requires water and perhaps a wider variety of farming systems but today we tilt our hat to the arable sector where we meet with Chris Dennison, farmer, irrigator, irrigation collective director and past holder of the world wheat and canola growing records!

The tours will start from the Oamaru Opera House and return to the Welcome Function in the Exhibition Marquee, Wear Street, Oamaru. Marquee sponsored by Rooney Earthmoving.

3.30pm – 5.30pm	CONFERENCE EXHIBITION OPEN EXPO MARQUEE IN ASSOCIATION WITH ROONEY EARTHMOVING	
3.30pm – 5.30pm	FARMERS AFTERNOON PROUDLY SUPPORTED BY NETAFIM	
5.30pm – 7.30pm	FONTERRA WELCOME FUNCTION [EXPO MARQUEE]	

## PRINCIPAL PARTNERS






# CONFERENCE PROGRAMME

## Wednesday 6 April

7.30am – 5.00pm	REGISTRATION DESK OPEN [OAMARU OPERA HOUSE]			
7.30am – 5.00pm	CONFERENCE EXHIBITION OPEN EXPO MARQUEE IN ASSOCIATION WITH ROONEY EARTHMOVING			
7.30am – 8.30am	WELCOME COFFEE [EXPO MARQUEE]			
8.30am	CONFERENCE WELCOME & OPENING [THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE]			
9.00am	THE AGE OF FOOD [THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE] KEYNOTE – Julian Cribb <i>SESSION PROUDLY SUPPORTED BY KPMG</i> Internationally acclaimed Australian author and science communicator; Fellow of the Australian Academy of Technological Sciences and Engineering; Principal Julian Cribb & Associates <i>We are entering the Age of Food ... never have the business and knowledge opportunities been so many or so great.</i>			
9.45am	OUR FUTURE – WHAT WILL IRRIGATION LOOK LIKE IN 2050 [THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE] KEYNOTE – Christopher Neale <i>SESSION PROUDLY SUPPORTED BY OPUS</i> Director of Research, Robert B. Daugherty Water for Food Institute, University of Nebraska; Professor, Department of Biological Systems Engineering, University of Nebraska, Lincoln <i>Our future – What will irrigation look like in 2050?</i>			
10.30am – 11.00am	MORNING TEA IN ASSOCIATION WITH PENTAIR [EXPO MARQUEE]			
11.00am	THE WAITAKI STORY [THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE] Liz Soal (Waitaki Irrigators Collective), Robyn Wells (North Otago Irrigation Co.), Chris Dennison (Lower Waitaki Irrigation Scheme) and Robin Murphy (Morven Glenavy Ikiwai Irrigation Company) The Waitaki has some of New Zealand's oldest irrigation but also some of its most recent developments: <ul style="list-style-type: none"> <li>• Overview of the history of irrigation schemes and independent irrigators in the Waitaki, the challenges they have faced over time, alongside the solutions developed for these;</li> <li>• Investigation of the role government and local councils has played in supporting irrigation growth.</li> </ul>			
12.30pm – 1.30pm	LUNCH IN ASSOCIATION WITH AQUALINC [EXPO MARQUEE]			
1.30pm	CONCURRENT WORKSHOPS <i>PROUDLY SUPPORTED BY FULTON HOGAN</i>			
	<b>WHAT DOES A SMART IRRIGATOR LOOK LIKE</b> Andrew Curtis (INZ) & Dan Bloomer (Page Bloomer Associates)  <b>[THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE]</b>	<b>DEVELOPING IRRIGATION ON HILLS</b> Paul Reese (Irricon)  <b>[THE INKBOX, OPERA HOUSE]</b>	<b>DEVELOPING SCHEME STRATEGIES FOR INCREASING SHAREHOLDER UPTAKE</b> Robyn Wells (North Otago Irrigation Co.) & Susan Goodfellow (Central Plains Water)  <b>[THE WHITESTONE CHEESE EMPIRE ROOM, OPERA HOUSE]</b>	<b>CAPITAL RAISING FINANCIAL MARKETS CONDUCT ACT 2013</b> David Goodman (Anderson Lloyd)  <b>[THE CHAMBERS, OPERA HOUSE]</b>
	<b>SMART SHOWCASE</b> [MOERAKI ROOM, BRYDONE HOTEL]			
	<b>COMPLETE CONTROL FROM YOUR MOBILE DEVICE</b> Stu Bradbury (Lindsay NZ) [1.30PM – 1.45PM]			
	<b>WATER EXTRACTION AND DRAINAGE OF AN IRRIGATED WINTER CROP GROWN ON SOILS OF DIFFERENT PLANT AVAILABLE WATER CAPACITY</b> Hamish Brown and Frank Tably (The New Zealand Institute for Plant and Food Research). Sam Carrick and John Payne (Landcare Research) [1.45PM – 2.00PM]			
	<b>SPRAY IRRIGATION EVAPORATION: WHAT HAVE YOU GOT TO LOSE?</b> Jenny Webster-Brown (Fresh Waterway's Centre, University of Canterbury) [2.00PM – 2.15PM]			
	<b>REAL-TIME SOIL MOISTURE MONITORING IRRIGATION DECISION SUPPORT SYSTEMS</b> Pierre Roudier, Carolyn Hedley, Jagath Ekanayake, and Joseph Pollacco (Landcare Research) [2.15PM – 2.30PM]			
	<b>CROP COEFFICIENT ESTIMATION OF PASTURE BASED ON GRAZING ROSTER TO IMPROVE WATER USE EFFICIENCY</b> Birendra KC (Lincoln University) [2.30PM – 2.45PM]			
	<b>IS THE MULTI-USE OF RESERVOIRS A VIABLE OPTION?</b> Peter Lilley and Thomas Fritz (Trustpower Ltd) [2.45PM – 3.00PM]			

# CONFERENCE PROGRAMME

## Wednesday 6 April (Continued)

3.00pm – 3.30pm	AFTERNOON TEA <i>IN ASSOCIATION WITH PENTAIR</i> [EXPO MARQUEE]				
3.30pm – 5.00pm	CONCURRENT WORKSHOPS <i>PROUDLY SUPPORTED BY FULTON HOGAN</i>				
	<p>OVERSEER AND IRRIGATION – MAKING SENSE OF IT AS A TOOL Nicole Phillips (Irricon)</p> <p>[THE WHITESTONE CONTRACTING AUDITORIUM, OPERA HOUSE]</p>	<p>WHAT TO MEASURE MONITOR AND HOW TO MANAGE DATA FOR IMPROVED IRRIGATION PERFORMANCE – ENERGY, PRODUCTION &amp; ENVIRONMENT Ian McIndoe (Aqualinc) &amp; Steve Breneger (INZ)</p> <p>[THE INKBOX, OPERA HOUSE]</p>	<p>ATTRACTING AND KEEPING TALENT – RECRUITMENT AND CAPABILITY BUILDING TIPS Trina Burt &amp; Jim Henderson (Agstaff)</p> <p>[THE WHITESTONE CHEESE EMPIRE ROOM, OPERA HOUSE]</p>	<p>TO PIPE OR NOT TO PIPE A SCHEME CASE STUDY Jess Dargue &amp; John van Polanen (Ashburton Lyndhurst Irrigation Scheme)</p> <p>[THE CHAMBERS, OPERA HOUSE]</p>	<p><b>SMART SHOWCASE</b> [MOERAKI ROOM, BRYDONE HOTEL]</p> <p>DRAINAGE – THE OTHER SIDE OF SOIL WATER MANAGEMENT Dan Bloomer (Page Bloomer Associates) [3.30PM – 3.45PM]</p> <p>IMPACT OF NUTRIENT RULES ON LAND VALUE IN SELWYN Edward Percy (Colliers) [3.45PM – 4.00PM]</p> <p>USING GIS FOR INTEGRATED ENVIRONMENTAL REPORTING Claire Mulcock &amp; Judith Neilson (Morven Glenavy Kiwai Irrigation Co Ltd) [4.00PM – 4.15PM]</p> <p>REGEN WATER – USING SCIENCE, INFORMATION AND SOFTWARE TO MANAGE IRRIGATION Bridgit Hawkins (Regen) [4.15PM – 4.30PM]</p> <p>GET THE RIGHT IRRIGATION EQUIPMENT ON TO YOUR FARM Stephen McNally, Chris Frost &amp; Gareth Young (Opus) [4.30PM – 4.45PM]</p> <p>THE ART OF DEVELOPING THE OPTIMAL IRRIGATION SYSTEM Nick Adams &amp; Jeff Mclean (Opus International Consultants) [4.45PM – 5.00PM]</p>
	7.00pm DOWNER CONFERENCE DINNER				

## PRINCIPAL PARTNERS



# CONFERENCE PROGRAMME

## Thursday 7 April

7.30am – 4.30pm	REGISTRATION DESK OPEN [OAMARU OPERA HOUSE]	
7.30am – 2.30pm	CONFERENCE EXHIBITION OPEN EXPO MARQUEE IN ASSOCIATION WITH ROONEY EARTHMOVING	
8.00am – 9.30am	FAR DELEGATE BREAKFAST [EXPO MARQUEE & THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] COMMUNICATING WITH THE PUBLIC – Nicky Hyslop (Chair INZ)	
9.30am	SELLING THE DREAM [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] KEYNOTE – PETER BIGGS SESSION PROUDLY SUPPORTED BY FMG Present Chair, Wellington Regional Economic Development Agency; Former Chief Executive, Clemenger BBDO/Melbourne	
10.10am	INZ SMART WATERING CAMPAIGN [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] Janine Holland, Campaign Manager, Communications Manager INZ	
10.30am – 11.00am	MORNING TEA IN ASSOCIATION WITH SIEMENS [EXPO MARQUEE]	
11.00am	HOW REGULATORS AND FARMERS ARE DEALING WITH IRRIGATION AND NUTRIENT USE EFFICIENCY – THE CHALLENGES AND THE OPPORTUNITIES [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] THE CALIFORNIAN EXPERIENCE KEYNOTE – STUART STYLES SESSION PROUDLY BY RAVENSDOWN Director of the Irrigation Training and Research Center (ITRC) at California Polytechnic State University, San Luis Obispo (Cal Poly)	
11.30am	HOW REGULATORS AND FARMERS ARE DEALING WITH IRRIGATION AND NUTRIENT USE EFFICIENCY – THE CHALLENGES AND THE OPPORTUNITIES [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] THE QUEENSLAND BARRIER REEF EXPERIENCE KEYNOTE – Robert Milla Agricultural Engineer and Manager of Burdekin Productivity Services	
12.00pm	NEW FACE OF FARMING [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] Local issues, local people, local solutions – translating policy and regulation into practical outcomes on the farm. A regional look at managing within environmental limits and the implementation of industry Good Management Practice – an irrigator and regional council view.  CANTERBURY: Judith Neilsen – Irrigator Perspective & Christina Robb – Programme Manager, CWMS  OTAGO: Robyn Wells – Irrigator Perspective & Fraser McRae – Director Policy Planning and Resource Management  HAWKE'S BAY: Hugh Ritchie – Irrigator Perspective & Ian Millner – Hawkes Bay Regional Council  HORIZONS: Hew Dalrymple – Irrigator Perspective	
1.10pm	WHAT NEXT FOR WATER MANAGEMENT IN NEW ZEALAND [THE WHITSTONE CONTRACTING AUDITORIUM, OPERA HOUSE] Andrew Curtis, Chief Executive IrrigationNZ WRAP UP & FAREWELL	
1.30pm – 2.30pm	LUNCH IN ASSOCIATION WITH BROWN GLASSFORD AND CO LTD [EXPO MARQUEE]	 BROWN GLASSFORD AND CO LTD
2.30pm – 4.30pm	IRRIGATION SCHEME ROUND-UP [THE INKBOX, OPERA HOUSE] Facilitated discussion following an update by individual schemes – the challenges and opportunities	INDUSTRY FORUM [THE WHITSTONE CHEESE EMPIRE ROOM, OPERA HOUSE] INZ activity update and discussion Worksafe New Zealand workshop that will cover off the new legislation in place and what it means for you as industry

## PRINCIPAL PARTNERS

**ANDERSON LLOYD**



**Monadelphous**  
WATER INFRASTRUCTURE

**Network Waitaki**  
Limited

**WaterForce**