

2025 Annual Event: Participant Agenda

Goondiwindi Cultural Centre.

20-21 August 2025

Purpose

The purpose of the 2025 Annual Event is to continue to build on the ambitious, participatory and interactive success of the previous events and:

- Consolidate and continue to build a sense of collective ambition
- Showcase our researchers, students and projects underway
- Demonstrate progress on partner relationships, culture and capacity

Objectives

- Continue to build a sense of ownership, excitement, and pride in the CRC with a particular focus on our research
- Clearly demonstrate progress in both what we are doing and how we are doing it
- All partners actively engaging, shaping and contributing to the research projects underway

Pre/Post Event Activities

- Pre-Event Tour – 19th August: Cubbie Station
- Post-Event Tour – 22nd August: Warwick & Queen Mary Falls & Headwater of Condamine

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Day 1 – 20th August

8:00	Arrival and registration check in	
Welcome and Introduction		
8:30 – 8:50	Welcome to Country	First Nations Elder
8:50 – 9:25	Event Opening & Introduction	One Basin CRC CEO, Professor Mike Stewardson One Basin CRC Chair, Dr Wendy Craik Event MC, Marti Beeston – Goondiwindi Hub Manager, One Basin CRC Event Facilitator, Russell Fisher – Atkinsons
Setting the scene – the grandeur of the Basin and the technical on how it works		
9:25 – 10:00	Key Note <i>“The grandeur of the Northern Basin and its partner the Southern Basin”</i>	Stimulate insight and discussion about context, interactions and flows between northern and southern catchments, challenges, opportunities and decision making Event MC, Marti Beeston – Goondiwindi Hub Manager, One Basin CRC John Ruffini, Director of Water Planning Sciences (Dept. Environment, Sciences & Innovation)
10:00 – 10:40	Morning Tea	
10:40 – 11:25	Panel Discussion	An opportunity for local perspectives and discussion about how the Northern Basin operates in practice. Future climate for the Northern Basin differs from the Southern Basin. Michael Scobie, University of Southern Queensland John Ruffini, Director of Water Planning Sciences (Dept. Environment, Sciences & Innovation) Zara Lowein, National Irrigators Council

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		Michelle Ramsay, Water Trust Australia and RAC Member									
What we're doing and results so far											
11:25 – 12:25	Poster Presentations	<p>Build deeper understanding of projects and progress and generate enthusiasm, pride and a sense of momentum.</p> <p>Event Facilitator, Russell Fisher – Atkinsons</p> <p>Research leads & teams</p>									
12:30 – 1:25	Lunch										
Deep dive into projects											
1:40 – 3:10	Project Session 1	<p>CRC Program Leads and Research Project Leads</p> <p>Presentations and discussion on current projects and achievements.</p> <p>STREAM 1</p> <table> <tr> <th>TIME</th><th>TOPIC</th><th>SPEAKERS</th></tr> <tr> <td>1:40 - 1:50</td><td> PhD Talks Designing effective foresight processes to anticipate and prepare for climate change in the MDB </td><td>Camaria Holder</td></tr> <tr> <td></td><td> Geospatial modelling of region-scale crop water-use to forecast climate change impacts on irrigation demand </td><td>Shahin Solgi</td></tr> </table>	TIME	TOPIC	SPEAKERS	1:40 - 1:50	PhD Talks Designing effective foresight processes to anticipate and prepare for climate change in the MDB	Camaria Holder		Geospatial modelling of region-scale crop water-use to forecast climate change impacts on irrigation demand	Shahin Solgi
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		1:50 - 2:10	QS2 - Irrigation demand forecasting for multi-scale multi-objective system storage control optimisation	Speaker TBA
		2:10 - 2:30	QS4 - Shifting availability: the implications of climate change	Speaker TBA
		2:30 - 2:50	QS7 - Predicting the impact of climate change on irrigation demand across the One Basin	Paul Petrie
		2:50 - 3:10	CRC049 - Putting people at the centre: towards transforming climate risk assessment for water security and delivery	Joel Bailey Holger Maier
		STREAM 2		
		TIME	TOPIC	SPEAKERS
		1:40 - 2:40	Rod's presentation will draw on his over 30 years of experience bridging cultural and business perspectives and explore an Indigenous-led business approach that integrates cultural integrity and community wellbeing within a business context. He will share insights about how the Gongan Model and Frameworks were not only conceptualised but learnt, lived, tested, and refined in practice across decades of engagement at the cultural interface, presenting an Indigenous "bottom line" for business that promotes productive and sustainable engagement with First Nations Peoples and their Country.	Uncle Rod Williams
		2:40 - 3:00	CRC053 - Stories of the One Basin	Peta Jeffries Geoff Reid
		3:00 - 3:05	Koala Dreaming: An exploration of Indigenous methodology in ecology conservation.	Teresa Cochrane

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		3:05 - 3:10 First Nations Summary of Projects Currently in Co-design Billabong Project	Prof. Troy Meston
3:10 – 3:40	Afternoon Tea		
3:40 – 5:10	Project Session 2	CRC Program Leads and Research Project Leads Presentations and discussion on current projects and achievements.	
		STREAM 1	
		TIME	TOPIC
		3:40 - 3:50	PhD Talks
			Cyanotoxin risk in recycled water used for food crop irrigation Shayne Faulkner
			Hydrogeological opportunities and constraints of the groundwater resource across the Murray-Darling Basin Nadeem Tariq Leonidas
			Economic analysis of water banking and managed aquifer recharge as innovations for enhancing and regulating water supply Manayubahwe Kazana
		3:50 - 4:10	QS6 - Opportunities and risks associated with identifying, sourcing and treating brackish groundwater Michael Leonard Julian Anese

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		4:10 - 4:30	CRC054 - Water Banking for Enhanced Drought Resilience	Andrew McCallum Ilka Wallis
		4:30 - 4:50	CRC095 - Understanding and reducing evaporative losses in the northern MDB	Elsie Hudson Mike Scobie
		4:50 - 5:10	CRC058 - Reducing Uncertainties and Enabling Multiple Benefits in Water Delivery Operations	Sam Yenamandra Wendy Merritt
		STREAM 2		
		TIME	TOPIC	SPEAKERS
		3:40 - 3:50	PhD Talks	
			Financing and incentivising ecosystem services to future-proof Basin producers against climate change	Champika Jayaweera
			Multi objective model predictive control for pumped water distribution systems incorporating renewable energy	Lang Zheng
			Regenerative agriculture impacts and opportunities	Wiyanda Naufal
		3:50 - 4:10	QS3 - Organic waste conversion	Roger Knight
		4:10 - 4:30	CRC059 - Incentivising and investing in climate adaptation	Alex Sas Nick Pawsey

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		4:30 - 4:50 CRC091 - Decarbonising irrigated agriculture	James John Behzad Rismanchi
		4:50 - 5:10 CRC101 - Future Basin Economies	Yvonne Lingua
5:10	Close		
	Free time		
6:30	Conference Dinner		

Day 2 – 21st August

8:30 – 8:40	Introduction	Reconnection and opportunity to reflect on yesterday's activities and to identify insights and questions for further exploration <i>Event MC, Marti Beeston – Goondiwindi Hub Manager, One Basin CRC</i> <i>Event Facilitator, Russell Fisher – Atkinsons</i>
8:40 – 9:10	In Conversation: An Industry Perspective	Call to action from local industry: the butterfly effect of research. <i>Julia Spicer OAM, Australia's Economic Accelerator</i>
Deepening our understanding our local context		
9:10 – 12:00	Site Visits	Opportunity to engage and learn more deeply from visiting projects that are underway <i>Event MC, Marti Beeston – Goondiwindi Hub Manager, One Basin CRC</i>

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9:10 – 12:00	Comms Training Wrap up	Held at the Goondiwindi Cultural Centre, and the team will wrap the final Communications Training for Researchers. This will be the tenth session of the Communications Training. Hosted by Leanne Wyvill and Angus Crossan															
12:00 – 1:00	Lunch																
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1:00 – 2:30	Project Session 3	<p>CRC Program Leads and Research Project Leads Presentations and discussion on current projects and achievements.</p> <p>STREAM 1</p> <table> <tr> <th>TIME</th><th>TOPIC</th><th>SPEAKERS</th></tr> <tr> <td>1:00 - 1:10</td><td> PhD Talks Understanding community-wealth building programs and community readiness to adopt change </td><td>Miltone Kimori</td></tr> <tr> <td>1:10 - 1:30</td><td>CRC050 - Unlocking collaborations for transformation: Towards a platform for data and knowledge sharing</td><td>Alyx Selsmeyer Caroline Rosello</td></tr> <tr> <td>1:30 - 1:50</td><td>CRC027 - Digital Irrigation Advisory Systems: Enabling extension and advisory services for agriculture's digital transition</td><td>Andy Clarke Maraget Ayre</td></tr> <tr> <td>1:50 - 2:10</td><td>CRC086 - Digital irrigated agriculture workforce futures</td><td>Pauline Rogers Leigh Schmidtke</td></tr> </table>	TIME	TOPIC	SPEAKERS	1:00 - 1:10	PhD Talks Understanding community-wealth building programs and community readiness to adopt change	Miltone Kimori	1:10 - 1:30	CRC050 - Unlocking collaborations for transformation: Towards a platform for data and knowledge sharing	Alyx Selsmeyer Caroline Rosello	1:30 - 1:50	CRC027 - Digital Irrigation Advisory Systems: Enabling extension and advisory services for agriculture's digital transition	Andy Clarke Maraget Ayre	1:50 - 2:10	CRC086 - Digital irrigated agriculture workforce futures	Pauline Rogers Leigh Schmidtke
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		2:10 - 2:30	CRC093 - Integrating digital technology to redefine the user experience for irrigators	Alyx Selsmeyer Paul Petrie
		STREAM 2		
		TIME	TOPIC	SPEAKERS
		1:00 - 1:10	PhD Talks	
			Water Futures: Community change in the context of conflict	Kelsey Burns
			Inclusive and Adaptive Water Governance: CALD Voices in Murray-Darling Water Governance	TBC
		1:10 - 1:30	CRC056 - Future governance for water limited communities	Kane Aldridge Ariane Gienger
		1:30 - 1:50	CRC052 - Understanding future leadership needs	Jem Tesoriero Hannah Feldman
		1:50 - 2:10	CRC051 - Water Futures	Mark Lamb Margot Rawsthorne Amanda Howard
		2:10 - 2:30	Wrap Up	Neville Crossman
2:30 – 2:45	Break			

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Integration and looking to the future		
2:45 – 4:15	Integration & Impact	Professor Seth Westra, Director, Research & Technology and Opportunity Program Lead, One Basin CRC Integrating our projects for greater impact
4:15 – 4:30	Wrap Up & Looking Ahead	One Basin CRC CEO, Professor Mike Stewardson
4:30	Close	