



# PARTICIPANTS CONFERENCE

## 2019

### DRAFT PROGRAM

Day 1 Tuesday 2 April 2019		Newcastle City Hall
9.00am - 5.30pm	Registration	Tea and coffee available on arrival
9.00am - 5.00pm	Research Project Team Meetings – to be arranged as requested	Duration not limited, aim to discuss project progress and translation
<b>6.00pm-8.00 pm</b>	<b>Welcome Reception</b>	<b>Newcastle Museum</b>
Day 2 Wednesday 3 April 2019		Newcastle City Hall
8.00am – 4.00pm	Registration	Tea and Coffee available on arrival
9.00am	Introduction by CEO	Michael Crawford, CEO
9.10am	Formal Welcome by Chair	Paul Greenfield, Chair
9.20am	CEO Overview - Review of 2018, plans for 2019 and beyond	Michael Crawford, CEO
9:40am	Invited Speaker - What makes a successful CRC	Michael Robinson, Science Leadership Services
10:00am	Farmer Group perspectives - Opportunities for the CRC	Chris Sounness, Birchip Cropping Group Rod Milla, Burdekin Productivity Services
<b>10.20am</b>	<b>Morning Tea</b>	
10.50am	Program 2 – Program Overview	Richard Doyle
11.05am	Program 2 – Current Project Presentations	

	'Smart' soil sensors	Marcus Hardie, University of Tasmania
	Visualising Australasia's Soils	Peter Dahlhaus, Federation University
	Bioindicators of high performing soils: A design and validation framework for in-field applications	Pauline Mele, Agriculture Victoria
	Smelling soil	Caroline Mohammed, University of Tasmania
	Novel sensor technology to measure and map soil nutrients, water and hydraulic characteristics	Craig Lobsey, University of Southern Queensland
	Affordable approaches to rapid field test soil chemical properties	Liang Wang, University of Newcastle
11.35am	Program 3 – Program Overview	Nanthi Bolan
11.50am	Program 3 – Current Project Presentations	
	New cost-effective pathways to recover and evaluate high-grade fertilisers from organic waste streams	Dane Lamb, University of Newcastle
	Develop and evaluate novel nano-porous carrier materials to improve pesticide delivery efficiency	Yanju Liu, University of Newcastle
	Evaluating alternative rhizobial carriers for improving soil performance	Maryam Esfandbod, Griffith University
	Novel soil application of liquid biosolids for improving soil structure, fertility and function	Aravind Surapeneni, South East Water
	Amelioration of subsoil constraints using innovative products and precision placement of soil amendments	Eshan Tavakkoli, NSW Department of Primary Industries
	Sandy soils: Organic and clay amendments to improve the productivity of sandy soils	Richard Bell, Murdoch University
<b>12.20pm</b>	<b>Lunch</b>	
1.00pm	Program 4 – Program Overview	Lukas Van Zwieten
1.15pm	Program 4 – Current Project Presentations	
	Plant based solutions to improve soil performance through rhizosphere modification	Terry Rose, Southern Cross University
	Developing knowledge and tools to better manage herbicide residues in soil	Michael Rose, NSW Department of Primary Industries

	Improving the representation of soil productivity/constraints in existing decision support systems and modelling platforms	tbc, University of Southern Queensland
	Evaluating soil functional resilience to compaction and drought stresses for developing higher performance soils	Mehran Rezaei Rashti, Griffith University
	Regenerative farming systems	Gwen Grelet, Landcare Research New Zealand
	Mechanistic understanding of the mode of action of novel soil re-engineering methods for complex chemical and physical constraints	Jason Condon, Charles Sturt University
1.45pm	Program 1 – Program Overview	Catherine Allan
2.00pm	Program 1 – Current Project Presentations	
	Consumer demand, the value chain, and communication strategies for promoting soil stewardship	Mark Morrison, Charles Sturt University
	Understanding adoptability of techniques and practices for improved soil management	Vaughan Higgins, University of Tasmania
	Collaborative approaches to innovation	Nicholas Pawsey, Charles Sturt University
	Surveying on farm practices	Hanabeth Luke, Southern Cross University
	Integrated risk assessment to enhance farmer adoption of sustainable crop rotation practices	Kala Saravanathu, University of Newcastle
	Addressing barriers to adoption - building farmer innovation capability	David Falepau, Charles Sturt University
2.30pm	More Farmer Group perspectives	David Minkey, WA No-Tillage Farmers Association Cindy Cassidy, FarmLink
<b>3.00pm</b>	<b>Afternoon Tea</b>	
3.30pm	Program Meetings Future research priority setting	
5:00pm - 5:30pm	PhD Student Presentations	
<b>7.00pm</b>	<b>Conference Dinner</b>	<b>Fort Scratchley</b>

<b>Day 3 Thursday 4 April 2019</b>		<b>Newcastle City Hall</b>
8.30am	Soil CRC Patron - By video	Major General The Hon Michael Jeffery
8.45am	Research And Adoption Committee (RAC) Presentation	Roger Swift, Chair RAC
9.00am	Program Meeting Outcomes – Priorities <i>(CEO to Chair, Program Leaders present meeting summary 15 mins each)</i>	Michael Crawford (Chair) Catherine Allan – Program 1 Richard Doyle – Program 2 Nanthi Bolan – Program 3 Lukas Van Zwieten – Program 4
10.00am	Panel Discussion – Priorities	Michael Crawford, Catherine Allan, Richard Doyle, Nanthi Bolan, Lukas Van Zwieten, Roger Swift
<b>10.30am</b>	<b>Morning Tea</b>	
11.00am	Soil CRC Research Investment Process <i>(Process explained and Program milestones completed)</i>	Jodi McLean, Operations Manager
11.15am	Navigating 'SoilCentral' <i>(Online research project management system)</i>	Millicent Crowe, Research Administration Officer
11:30am	Delivering The Soil CRC Message	Katherine Seddon, Communications Manager
11.45am	Closing remarks	Michael Crawford, CEO
<b>12 noon</b>	<b>Lunch</b>	
<b>12:45 pm</b>	<b>Buses depart for airport</b>	