



## SUGARCANE TRAIT MODELLING WORKSHOP

to be held on 26 and 27 June 2017 at Mount Edgecombe

### PROPOSED PROGRAM

<b>26 June</b>		
9:00 – 9:10	Welcome	Riekert van Heerden, Jim Shine
9:10 – 9:20	Background and objectives	Abraham Singels
9:20-10:00	Recent advances in genetic trait modelling in DSSAT	Gerrit Hoogenboom
10:00-10:40	New features of the APSIM Sugar model for simulating traits for yield improvement of sugarcane in water limited environments	Geoff Inman-Bamber et al.
Tea		
11:10-11:50	Combining calibration techniques improves the quality and usefulness of sugarcane model predictions	Fabio Marin
11:50-12:15	Sugarcane trait modelling at SASRI	Abraham Singels
12.15-12:40	Trait parameter estimation and ideotyping with Canegro	Natalie Hoffman
12:40-13:20	Selecting sugarcane with higher transpiration efficiency	Phil Jackson
Lunch		
14:00-14:40	The ICSM genotype growth analysis dataset	Abraham Singels et al.
14:40-15:05	Other genotype growth analysis datasets	Sanesh Ramburan
15:05-15:30	Simulating genotype performance with Canegro	Matthew Jones
Tea		
16:00-16:25	Simulating genotype performance with Mosaicas	Mathias Christina
16:25-16:50	Simulating genotype performance with APSIM-sugar	Fabio Marin
16:50-17:20	Discussion: Issues and insights	
19:00	Dinner	
<b>27 June</b>		
9:00-9:10	Recap	Abraham Singels
9:10-9:40	Process level comparison of approaches to simulating environmental and genetic effects	M. Jones, M. Christina, F. Marin, et al.
9:40:-11:00	Discussion : Model strengths and weaknesses, improvements	
Tea		
11:30-12:30	Discussion: Data requirements and sources	
12:30-13:00	Discussion: Way forward, closure	Abraham Singels
Lunch		
14:00-14:45	ICSM business meeting (Finances, MoU renewal, proposals etc.)	Jim Shine
14:45:-	Hands-on session for modellers and data collectors	