



**RIO18**  
21st World Congress  
of Soil Science

**21 WORLD CONGRESS OF SOIL SCIENCE**  
Sunday 12 – Friday 17 August 2018  
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

## DIVISIONAL SIMPOSIUM – DIVISION 3

Monday (Aug, 13)		Room "Europa"	
<b>C3.3.1</b>		<b>Nitrogen use efficiency (NUE) in tropical soils - I</b>	
		<b>Convener:</b> Juliano Calonego, Faculty of Agronomic Sciences –São Paulo State University - FCA/UNESP. Botucatu, SP, Brazil, E-mail: juliano@fca.unesp.br	
		<b>Co-Convener:</b> Marcelo Valadares Galdos, University of Leeds, Leeds, UK. E-mail: M.Galdos@leeds.ac.uk	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	Invited 633	NUCLEUS (Nitrogen Use efficiency via an integrated Soil-plant systems approach for the UK & Brazil)	Sacha Mooney
15:55 – 16:10			
16:10 – 16:25	1384	Microorganisms affecting soil N under maize-forage grass rotations	Ciro Antonio Rosolem
16:25 – 16:40	1360	Ammonia and greenhouse gas emissions from maize-grass rotation systems	Eduardo Mariano
16:40 – 16:55	301	Distribution and chemical speciation of nitrogen and inhibitors from banded enhanced efficiency fertilizers	Chelsea Stroppiana
16:55 – 17:10	1410	Fate of 15N fertilizer in maize-forage grasses cropping systems	Camila da Silva Grassmann
17:10 – 17:25	1371	Nitrogen use efficiency and physiological response of maize to improved physical condition of structurally fragile tropical soil.	Emanoel Moura
17:25 – 17:40	2955	Reduction in ammonia emissions from the application of concentrated vinasse combined with nitrogen fertilizers and urease inhibitor in sugarcane	Nadia Valério Possignolo-Vitti
17:40 – 17:55	2422	Total CO <sub>2</sub> emission is not affected by liming in an integrated cropping system	Jéssica Pigatto de Queiroz Barcelos
17:55 – 18:10	3160	Impact of the N fertilizer application, concentrated vinasse and nitrification inhibitor on N <sub>2</sub> O emissions and NH <sub>3</sub> volatilization in sugarcane field in Brazil	Bruna Gonçalves de Oliveira
18:10 – 18:15	--	Closing	Conveners



International Union of Soil Sciences



SBCS



**Brazilian Soil Science Society**



**2015**  
International  
Year of Soils