



**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 SYMPOSIUM – DIVISION 3

Friday (Aug, 17)		Room "Galápagos I"	
<b>C3.3.5</b>		<b>Soils for mitigating global warming: greenhouse gas emission reduction and/or enhancing carbon sequestration - II</b>	
		<b>Convener:</b> João Luis Carvalho. Brazilian Bioethanol Science and Technology Laboratory (CTBE). Campinas-SP, Brazil, E-mail: joao.carvalho@bioetanol.org.br	
		<b>Co-Convener:</b> Carlos E. Cerri. Luiz de Queiroz College of Agriculture. University of Sao Paulo. Piracicaba-SP, Brazil, E-mail: cepcerri@usp.br	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	2078	System of rice intensification (SRI) in temperate regions to improve grain yield and to mitigate greenhouse gases	Kosuke Noborio
13:55 – 14:10	2192	Temporal soil carbon dynamics and conservation practices in a semi-arid cotton producing region of Texas	Katie Lewis
14:10 – 14:25	2825	Soil methane and microbial communities in the soil profile under Amazon forest-to-pasture conversion	Moacir Tuzzin de Moraes
14:25 – 14:40	3206	Response of soil microbial processes to long-term management practices in subtropical grazing lands during different seasons	Saroop S. Sandhu
14:40 – 14:55	1299	Tidal Wetland Soils for Greenhouse Gas Mitigation: Scientific Progress and Research Gaps	Brian A. Needelman
14:55 – 15:10	2111	Soil organic carbon sensitivity to management and climate change in rice-based cropping systems	Pauline Chivenge
15:10 – 15:25	2610	Compost but not cover crops increases soil carbon at depth after 19 years of management in irrigated row crops in a Mediterranean climate	Kate Scow
15:25 – 15:40	846	Carbon sequestration through afforestation and reforestation in the mangrove forests of southern Thailand.	Yuji Sakai
15:40 – 15:55	3027	Soil organic carbon stock in assessment of the relative importance of location and land use in southeastern Nigeria	Sunday E. Obalum
15:55 – 16:10	--	Closing	Conveners



**Brazilian Soil Science Society**



**2015**  
International  
Year of Soils