



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 1

Friday (Aug, 17)		Room "Capri IV"	
C1.5.1		Global soil carbon modeling	
		Convener: Lin Yang, Nanjing University, Nanjing, China	
		Co-Convener: Andrés Calderín García, UFRRJ, Seropédica, RJ, Brazil	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	788	Global space-time soil carbon assessment using dynamic covariates and a mechanistic model	Budiman Minasny
13:55 – 14:10	416	Using MIR spectrometry to predict soil carbon for the soil survey program in the USA	Richard Ferguson
14:10 – 14:25	2010	Soil carbon stock: effects of different management in the Brazilian savanna	Michael Henriques Pereira
14:25 – 14:40	1203	Towards a regional soil information system for South America: building the South American soil organic carbon map	Guillermo Federico Olmedo
14:40 – 14:55	2942	How a robust spectral and analytical soil organic carbon libraries can contribute for a sustainable agriculture?	André Marcelo de Souza
14:55 – 15:10	956	Use of predictive models for space prediction of carbon content and soil aluminum in the municipality of Petropolis-RJ	Rafael Gomes da Mota Gonçalves
15:10 – 15:25	1359	Soil organic carbon stock at 0-30 cm map of Brazil	Jesus F. Mansilla Baca
15:25 – 15:40	1802	Soil organic stock estimation through digital soil mapping approach: How many soil samples are required at different scales?	Priyabrata Santra
15:40 – 15:55	--	Closing	Conveners



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