



**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

Thursday (Aug, 16)		Room “Capri III”	
<b>C3.1.2</b>		<b>Multi-scale and multi-domain approaches to develop smart farming</b>	
		<b>Convener:</b> Ivan Vasenev, Russian Timiryazev State Agricultural University, 49 Timiryazevskaya Str., Moscow, Russia, E-mail: vasenev@timacad.ru, ivasenev@gmail.com	
		<b>Co-Convener:</b>	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	330	Mid-infrared Technologies Based Proximal Sensing of Selected Soil Properties: Diffuse Reflectance Spectroscopy, Attenuated Total Reflectance Spectroscopy and Photoacoustic Spectroscopy	Changwen Du
15:55 – 16:10	906	Development of a collaborative Soil Fertility and Crop Nutrition Management platform to formulate site-specific fertilizer recommendations in sub-Saharan Africa	H. van den Bosch
16:10 – 16:25	964	New frontiers in soil conservation and landscape management: Geospatial Cyberinfrastructure applied to Decision Support System	F. Terribile
16:25 – 16:40	1346	What key parameters should we access in agrosoil to increase crop productivity?	Mariia Pukalchik
16:40 – 16:55	1816	Review and update of the program AGROZAM digital platform v1.0 to capture information of agricultural land, Zamorano, Honduras	Juan Domingo León Guaycha
16:55 – 17:10	2181	Soil quality evaluation in the land-use agroecological monitoring systems for smart farming development at the Central Region of Russia	Ivan I. Vasenev
17:10 – 17:25	3120	Kinetica: web-based application for determining nutrient uptake kinect parameter values in plants	Webert Saturnino Pinto
17:25 – 17:40	--	Closing	Conveners



**Brazilian Soil Science Society**



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