



**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

## POSTER SESSION – DIVISION 1

Thursday (Aug, 16)		TOTEN 1	
<b>C1.5.3</b> <b>C1.6.1</b>		Reconciling pedometrics and pedology Human-environment interactions recorded in soils and palaeosols	
Schedule	ID	Title	Presenter
13:30 – 13:40	2986	Mapping of iron oxides using indirect techniques in soils of the Western Paulista Plateau, Brazil.	José Marques Júnior
13:40 – 13:50	2907	Multifractal and joint multifractal analysis of soil water content measured at successive depths and during three periods along a transect	Antonio Paz-González
13:50 – 14:00	3074	Spatial correlation between terrain attributes and soil depth in small-extent rugged terrain	Taciara Zborowski Horst
14:00 – 14:10	2365	Spatial prediction of weathering-related soil properties obtained from portable X-ray fluorescence	Fabio Arnaldo Pomar Avalos
14:10 – 14:20	3088	Spatial variability and multivariate analysis in the determination of the sample density of the Western Paulista Plateau, Brazil	Laércio Santos Silva
14:20 – 14:30	2248	Spatial variability of attributes with different sample densities in the savanna	Sammy Sidney Rocha Matias
14:30 – 14:40	1480	Usage of pedometrics for data evaluation and harmonization in soil profiles from Cerrado region, Mato Grosso do Sul	Pedro Armentano Mudado Xavier
14:40 – 14:50	3045	Use of magnetic susceptibility for the Identification of Pedogenetic Environments in Archaeological Black Earth in southern Amazonas, Brazil	Ivanildo Amorim de Oliveira
14:50 – 15:00	1166	Archaeopedological analyses of Bronze Age land use practices and landscape evolution in Southwest Germany	Sascha Scherer
15:00 – 15:10	2044	Fire dynamics of a mid mountain range - analytical evidence versus fire modelling	Luisa Wöstehoff



International Union of Soil Sciences



**Brazilian Soil Science Society**



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