16-17 June 2021

Webinar Programme

Pedometrics

WGs Digital Soil Mapping - Global Soil Map

16 June 2021

UTC	16/06	First Name	Family Name	Affiliation	Country	Title
6:00	Introduction					
6:05	Extended talk	Andree	Nenkam mentho	Sydney Institute of Agriculture & School of Life and Environmental Sciences, The University of Sydney, Australia	Australia	Using homosoil to enrich sparsed soil data infrastructures globally
6:35	Extended talk	Alexandre	Wadoux	Sydney Institute of Agriculture & School of Life and Environmental Sciences, The University of Sydney, Australia	Australia	An integrated approach for the evaluation of quantitative soil maps through Taylor and solar diagrams
7:05	Break					
7:20	Short Talk	Cynthia	van Leeuwen	ISRIC - World Soil Museum / Wageningen University	Netherlands	Modelling measurement error in wet chemistry soil data with linear mixed-effects models
7:30	Short Talk	János	Mészáros	Institute for Soil Sciences, Centre for Agricultural Research	Hungary	Accuracy assessment of bare soil map of Hungary generated from mid-term Sentinel-2 data
7:40	Short Talk	Stefan	Oechslin	Berner Fachhochschule	Switzerland	Distinguish mineral and organic soil horizons in Histosols and Fluvisols by automated image analysis for DSM
7:50	Short Talk	Yin-Chung	Huang	Department of Agricultural Chemistry, National Taiwan University	Taiwan	Characterization of podzolic soils using digital morphometrics in a subtropical subalpine forest of Taiwan
8:00	General discussion					
8:10	Break					
8:25	Short Talk	Anatol	Helfenstein	Wageningen University and Research	Netherlands	Five approaches to evaluate map accuracy: 3D soil pH maps at 25m resolution for the Netherlands
8:35	Short Talk	Arseniy	Zhogolev	V.V. Dokuchaev Soil Scienece Institute	Russia	Soil Mapping Based on Globally Optimal Decision Trees
8:45	Short Talk	Destika	Cahyana	ICALRD/IPB University	Indonesia	Evaluation of digital soil mapping and soil landscapes relationships in the tropical moonsoon sub-climate in Jember District, East Java, Indonesia.
8:55	Short Talk	Annamária	Laborczi	Institute for Soil Sciences, Centre for Agricultural Research	Hungary	Spatio-temporal modelling of soil organic carbon stock in Hungary to support land degradation neutrality assessment
9:05	General discussion					
9:15	Closing					

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15:00	Introduction					
15:05	Extended talk	David	Rossiter	ISRIC-World Soil Information	Netherlands	How well does Predictive Soil Mapping represent soil geography? Preliminary results of an investigation from the USA
15:35	Extended talk	Viacheslav	Vasenev	Wageningen University	Netherlands	Modeling the effect of urban heat island on the spatial-temporal variation of soil microbial respiration in Moscow megapolis
16:05	Break					
16:20	Short Talk	Marcos	Angelini	National Institute of Agricultural Technology	Argentina	Multivariate digital soil mapping to support soil quality index mapping in southern France
16:30	Short Talk	Quentin	Styc	UMR LISAH	France	Digital soil mapping of soil available water capacity from legacy soil data: a test in an irrigated perimeter in Southern France
16:40	Short Talk	Maria Eliza	Turek	Federal University of Paraná; ISRIC - World Soil Information	Brazil	Global mapping of volumetric water content at 10, 33 and 1500 kPa using the WoSIS database
16:50	Short Talk	Mario	Guevara	Centro de Geociencias - UNAM	Mexico	Mapping soil carbon sequestration across Argentina and Mexico using Roth C
17:00	General discussion					
17:10	Break					
17:25	Short Talk	Tomislav	Hengl	OpenGeoHub foundation	Netherlands	Spatiotemporal modeling of soil organic carbon at coarse and high spatial resolution: a framework for long-term monitoring of soils
17:35	Short Talk	Tabassom	Sedighi	Cranfield University	United Kingdom	Using advanced Bayesian methods to predict soil properties
17:45	Short Talk	Giulio	Genova	Free University of Bolzano, Faculty of Science and Technology, Bolzano/Bozen, Italy	Italy	Artificial Neural Networks for Global Soil Mapping
17:55	Short Talk	Fabrício	Terra	Federal University of Jequitinhonha and Mucuri Valleys	Brazil	How useful can mid-IR spectra be for direct applications in soil survey and classification?
18:05	General discussion					
18:15	Closing					