



**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 2

Friday (Aug, 17)		Room “Bora Bora I”	
<b>WG09</b>		<b>Soil Modeling: Challenges and perspectives in soil modelling</b>	
		<b>Convener:</b> Dr. Harry Vereecken, Forschungszentrum Jülich, Germany.	
		<b>Co-Convener:</b> Dr. Michael H. Young, University of Texas, Austin, USA.	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	1834	A global assessment of future risks for below-ground biodiversity	Carlos A. Guerra
13:55 – 14:10	480	An improvement of the hydraulic-energy indices for physical soil structure evaluation	Robson André Armindo
14:10 – 14:25	2009	Goals and activities of the ISMC soil development and intercomparison panel (Soil-MIP)	Jan Vanderborght
14:25 – 14:40	2863	Soil as a self-organized system: theoretical and practical considerations	Patrick Lavelle
14:40 – 14:55	1014	The Agricultural Ecosystems Services (AgES) watershed model is used to estimate the spatial complexity of soil hydraulic properties in a field-scale agricultural watershed, Colorado, USA	Timothy R. Green
14:55 – 15:10	2859	The International Soil Modeling Consortium: status and perspectives	Roland Baatz
15:10 – 15:25	1426	Retrieving systemic information for modeling soil processes interactions: the BonaRes knowledge portal	Ulrich Weller
15:25 – 15:40	2014	Modelling below-ground fungal communities: a mechanistic and trait-based approach	Wilfred Otten
15:40 – 15:55	--	Closing	Conveners



International Union of Soil Sciences



**Brazilian Soil Science Society**



**2015**  
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