



**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 4

Thursday (Aug, 16)		Room “Oceania I e II”	
<b>C4.1.1</b>		<b>Soil ecosystem services</b>	
		<b>Convener:</b> Rachel Prado, Brazilian Agricultural Research Corporation (Embrapa), National Research Center for Soils, Rio de Janeiro, Brazil	
		<b>Co-Convener:</b> Ana Turetta e Elaine Fidalgo, Brazilian Agricultural Research Corporation (Embrapa), National Research Center for Soils, Rio de Janeiro, Brazil	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	Invited	Soils contribution to ecosystem services provision: Using land information for farm planning and design within boundaries	Alec D. Mackay
15:55 – 16:10			
16:10 – 16:25	1031	Development of a multi-functional land evaluation for dedicated bioenergy crops.	James Payne
16:25 – 16:40	1980	From process understanding via soil functions to sustainable soil management: a systemic approach	Ute Wollschläger
16:40 – 16:55	455	Impact of tropical land-use intensification on soil ecosystem services	Thomas Guillaume
16:55 – 17:10	2347	Quantification of soil services at the plot scale using modeling approach: A case study of a drained agricultural field affected by land-use change	Chalhoub Maha
17:10 – 17:25	314	Soil Security Assessment contributing to ecosystem service.	Damien Field
17:25 – 17:40	2149	Using the DPSIR model in the Colombian policy for sustainable soil management: an ecosystem service approach	Fabio R. Leiva
17:40 – 17:55	--	Closing	Conveners



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