

Soil Security and Planetary Health Conference Draft Program

Tuesday 4 December 2018

8:00	Registration	
8:25	Welcome to Country and Opening	
8:40	KEYNOTE: Soil Security Concept - Morgan, C. (Texas A&M University, USA)	
Time	Title	Authors
9:10	WEB-GIS Digital Platform for the Soil Security Assessment in Korea	Lim, K. (Kangwon National University, Republic of Korea); Lim, J. (Kangwon National University, Republic of Korea); Kim, S.C. (Chungnam National University, Republic of Korea); Hong, S.Y. (National Institute of Agricultural Sciences, Republic of Korea); Yang, J.E. (Kangwon National University, Republic of Korea)
9:20	Soil Security Investigation in the Brazos River Watershed of Texas, USA	Bagnall, D. (Texas A&M University, USA); Morgan, C. (Texas A&M University, USA); Woodward, R. (Texas A&M University, USA); McIntosh, W. (Texas A&M University, USA); Black, M. (Texas A&M University, USA); Vaughan, S. (Texas A&M University, USA)
9:30	What does Brazil know about soil security?	Sposito, E. (Federal University of Viçosa, Brazil); de Oliveira, T. (Federal University of Viçosa, Brazil)
9:40	NSW Case study: What can we do with Soil Condition, Capability and Capital information?	Chapman, G. (NSW Office of Environment and Heritage, Australia); Gray, J. (NSW Office of Environment and Heritage, Australia); Yang, X. (NSW Office of Environment and Heritage, Australia); Lobry de Bruyn, L. (University of New England, Australia); Barrett, T. (NSW Office of Environment and Heritage, Australia)
9:50	Soil security assessment of agricultural land in the middle-eastern China	Yang, R-M. (Jiangsu Normal University, China); Minasny, B. (University of Sydney, Australia); Ma, Y-X. (University of Sydney, Australia); Field, D. (University of Sydney, Australia); McBratney, A. (University of Sydney, Australia); Wu, C-F. (Nanjing University of Information Science and Technology, China)
10:00	Towards a preliminary assessment of the soil security dimensions in Aotearoa/New Zealand	Roudler, P. (Landcare Research – Manaaki Whenua, New Zealand); Lilburne, L. (Landcare Research – Manaaki Whenua, New Zealand); Ausseil, A-G. (Landcare Research – Manaaki Whenua, New Zealand); Grealish, G. (Landcare Research – Manaaki Whenua, New Zealand); Stevenson, B. (Landcare Research – Manaaki Whenua, New Zealand); Carrick, S. (Landcare Research – Manaaki Whenua, New Zealand); Manderson, A. (Landcare Research – Manaaki Whenua, New Zealand); Greenhalgh, S. (Landcare Research – Manaaki Whenua, New Zealand); Harmsworth, G. (Landcare Research – Manaaki Whenua, New Zealand); Kalaugher, E. (Landcare Research – Manaaki Whenua, New Zealand)
10:10	Discussion	

Time	Title	Authors
10:25	<i>Morning Tea - 20 mins - Sponsored by TERN Landscapes</i>	
10:55	Land degradation mapping using recent machine language techniques - A case study in Muttuma Catchment, Australia	Dharumarajan, S. (ICAR-National Bureau of Soil Survey and Land Use Planning, India); Bishop, T. (University of Sydney, Australia)
11:05	Improved index for field-scale soil salinity estimation from UAV-borne hyperspectral images	Hu, J. (Zhejiang University, China); Peng, J. (Tarim University, China/Zhejiang University, China); Shi, Z (Zhejiang University, China)
11:15	Understanding Soil Capability – It has dimensions	Murphy, B. (NSW Soil Knowledge Network/NSW Office of Environment and Heritage, Australia)
11:25	Volcanic ash: Insecurity for the people but securing fertile soil in the future	Fiantis, D. (Universitas Andalas, Indonesia); Ginting, F. (Universitas Andalas, Indonesia); Gusnidar, G. (Universitas Andalas, Indonesia); Nelson M. (Payakumbuh Agriculture Polytechnic Institute, Indonesia); Minasny, B. (University of Sydney, Australia)
11:35	Soil Capability and Condition: the challenge of quantitatively defining reference states and soil change	Stevenson, B (Manaaki Whenua Landcare Research, New Zealand); Eger, A. (Manaaki Whenua Landcare Research, New Zealand); McNeill, S. (Manaaki Whenua Landcare Research, New Zealand); Hewitt, A. (Manaaki Whenua Landcare Research, New Zealand)
11:45	Building classification-analogies for discriminating dilute chemical signatures in access-denied sites	Chappell, M. (U.S. Army Engineer Research & Development Center, USA); McBratney, A. (University of Sydney, Australia); Minsany, B. (University of Sydney, Australia)
11:55	Digital Mapping to Secure Global Peatlands and Planetary Health	Minasny, B. (University of Sydney, Australia); Berglund, Ö. (Swedish University of Agricultural Sciences, Sweden); Connolly, J. (Dublin City University, Ireland); Hedley, C. (Natural Resources Institute, Finland); de Vries, F. (Wageningen Environmental Research, The Netherlands); Gimona, A. (The James Hutton Institute, Scotland); Kempen, B. (ISRIC – World Soil Information, The Netherlands); Kidd, D. (Department of Primary Industries Tasmania, Australia); Lilja, H. (Natural Resources Institute, Finland); Malone, B. (CSIRO, Australia); McBratney, A. (University of Sydney, Australia); Roudier, P. (Natural Resources Institute, Finland); O'Rourke, S. (University College Dublin, Ireland); Rudiyanto (Institut Pertanian Bogor, Indonesia); Padarian, J. (University of Sydney, Australia); Poggio, L. (The James Hutton Institute, Scotland); Thompson, D. (Natural Resources Canada, Canada); Tuve, C. (Natural Resources Conservation Service, USA); ten Caten, A. (Universidade Federal de Santa Catarina, Brazil); Widyatmanti, W. (Universitas Gadjah Mada, Indonesia)
12:05	Discussion	
12:20	<i>Lunch - 45 mins</i>	
13:05	KEYNOTE: What role might economics play with soil science for achieving soil security? - Brady, M. (Swedish University of Agricultural Sciences, Sweden); Cong, R-G. (Lund University, Sweden); Hedlund, K. (Aarhus University, Denmark)	
Time	Title	Authors

13:35	A choice experiment approach for the valuation of soil ecosystem services	Thiene, M. (University of Padova, Italy); Franceschinis, C. (University of Padova, Italy); McBratney, A. (University of Sydney, Australia); Field, D. (University of Sydney, Australia)
13:45	Soil Capital Based on the Ecosystem Services in Korea	Kim, S-C. (Chungnam National University, Republic of Korea); Hong, Y.K. (Chungnam National University, Republic of Korea); Lim, K.J. (Kangwon National University, Republic of Korea); Hong, S.Y. (National Institute of Agricultural Sciences, Republic of Korea); Yang, J.E. (Kangwon National University, Republic of Korea)
13:55	Off-site Consequences of Soil Management on Recreational Fishing	Black, M. (Texas A&M University, USA); Woodward, R. (Texas A&M University, USA)
14:05	Interactive influence of Biochar, PGPRs and synthetic fertilizers on soil health and productivity of peanut (<i>Arachis hypogea</i> L.) under an arid climate	Ijaz, M. (Bahauddin Zakariya University, Pakistan); Parveen, S. (Bahauddin Zakariya University, Pakistan); Rizwan, M. (Bahauddin Zakariya University, Pakistan); Yasir, T. (Bahauddin Zakariya University, Pakistan); Sher, A. (Bahauddin Zakariya University, Pakistan); Sattar, A. (Bahauddin Zakariya University, Pakistan); Ahmad, S. (Bahauddin Zakariya University, Pakistan); Nawaz, A. (Bahauddin Zakariya University, Pakistan)
14:15	Utilising mixed-waste organic outputs (MWOO) for mine rehabilitation: Effects on soil physiochemical properties and plant growth	McGillp, K. (Australian National University, Australia); Read, Z. (Australian National University, Australia/Heron Resources); Strong, C. (Australian National University, Australia)
14:25	The Growth Characteristics and Effectiveness of some Crop Plants During Rhizo-Remediation of Crude Oil Polluted Agricultural Soil	Eze, E. (Federal University of Technology Owerri, Nigeria); Ogbulie, T. (Federal University of Technology Owerri, Nigeria); Ukaolur, U. (Federal University of Technology Owerri, Nigeria)
14:35	Effects of climate change-driven soil drying-rewetting on phosphorus leaching and soil security	Khan, S (Kingston University, England); Hooda, P. (Kingston University, England); Blackwell, M. (Rothamsted Research, England); Busquets, R (Kingston University, England)
14:45	Discussion	
15:00	<i>Afternoon Tea - 20 mins</i>	
Time	Title	Authors
15:20	Physical contamination – an irreversible change to soil condition	Cattle, S. (University of Sydney, Australia); Cattle, J. (NSW Environment Protection Authority, Australia)
15:30	Climate change impact on rainfall erosivity across Australia Alpine region	Zhu, Q. (University of Technology Sydney, Australia); Yang, X. (New South Wales Office of Environment and Heritage, Australia)
15:40	Comparing native soil carbon use efficiency with added substrate use efficiency using ¹³ C and ¹⁸ O tracers	Mehnaz, K. (University of Sydney, Australia); Corneo, P. (University of Sydney, Australia); Keitel, C. (University of Sydney, Australia); Dijkstra, F (University of Sydney, Australia)
15:50	Software to monitor the pollution of heavy metals in soils, urban dust and plants	Bautista, F. (Universidad Nacional Autónoma de México, Mexico); Goguichaichvili, A. (Universidad Nacional Autónoma de México, Mexico);

		Aguilera, A. (Universidad Nacional Autónoma de México, Mexico); Gallegos, Á. (Universidad Nacional Autónoma de México, Mexico)
16:00	Monitoring soil conditions of South Korea from 1999-2016	Kong, M-S. (National Institute of Agricultural Sciences, Republic of Korea); Hong, S-Y. (National Institute of Agricultural Sciences, Republic of Korea); Lee, C-H (National Institute of Agricultural Sciences, Republic of Korea); Minasny, B (University of Sydney, Australia)
16:10	Discussion	
16:25	Close	

Wednesday 5 December 2018

Time	Title	Authors
8:50	Soil Management in the Dry Zones of India under a Changing Climate	Nair, S. (Centre for Earth Research and Environment Management, India)
9:00	Soil Quality Degradation and Possible Management Options in Bangladesh	Uddin, M. (University of Dhaka, Bangladesh); Mohiuddin, A.S.M. (University of Dhaka, Bangladesh); Begum, S (Bangladesh Chemical Industries Corporation); Hassan, M (University of Dhaka, Bangladesh)
9:10	Zeolites: Potential soil amendments for improving agriculture productivity	Jakkula, V. (International Crops Research Institute for the Semi-Arid Tropics, India); Wani, S. (International Crops Research Institute for the Semi-Arid Tropics, India)
9:20	Importance of cold fallow season management to increase soil organic carbon stock in temperate mono-rice paddy soil	Gwon, H.S. (Gyeongsang National University, Republic of Korea); Jeong, S.T. (Gyeongsang National University, Republic of Korea); Lee, J.G. (Gyeongsang National University, Republic of Korea); Cho, S.R. (Gyeongsang National University, Republic of Korea); Kim, P.J. (Gyeongsang National University, Republic of Korea)
9:30	Impact of lime and herbicide on bacterial community composition and function after control of annual ryegrass in a 5-year crop rotation	Solaiman, Z. (University of Western Australia, Australia); Hashem, A. (Department of Primary Industries and Rural Development Government of Western Australia, Australia); Abbott, K. (University of Western Australia, Australia); Mickan, B. (University of Western Australia, Australia/Richgro Garden Products); Storer, P. (Troforte Innovations); Bhat, V. (Australian Mineral Fertilisers); Whiteley, A (University of Western Australia, Australia)
9:40	Securing our soil by adapting seasonal management to moisture status	Moloney, J. (University of Sydney); Bishop, T. (University of Sydney, Australia); McBratney, A. (University of Sydney, Australia); Field, D. (University of Sydney, Australia); Acharige, N (University of Sydney, Australia)
9:50	Discussion	
10:05	KEYNOTE: Sandro Demaio (CEO, EAT) - TBA	
10:35	<i>Morning Tea - 20 mins</i>	
Time	Title	Authors

10:55	Management of soil fertility in the traditional cultivation system in Mare Island (Loyalty Islands)	Drouin, J. (l'Institut Agronomique, New Caledonia); Wamejonengo, J. (l'Institut Agronomique, New Caledonia); Russet, S. (l'Institut Agronomique, New Caledonia); Ibanez, T. (l'Institut Agronomique, New Caledonia); Leopold, A. (l'Institut Agronomique, New Caledonia); Robert, N. (l'Institut Agronomique, New Caledonia); Maggia, L. (l'Institut Agronomique, New Caledonia/CIRAD/AGAP); Birnbaum, P. (l'Institut Agronomique, New Caledonia/CIRAD) Carriconde, F (l'Institut Agronomique, New Caledonia)
11:05	Re-establishment of degraded crop lands by resuscitating dormant endophytic and soil microbial community using biofilm biofertilizer	Wijepala, P. (National Institute of Fundamental Studies, Sri Lanka); Seneviratne, G. (National Institute of Fundamental Studies, Sri Lanka); Madawala, H. (University of Peradeniya, Sri Lanka); Jayasuriya, K. (University of Peradeniya, Sri Lanka)
11:15	Humus:human – bridging art, science and farming for public education on soil	Fisher, L. (University of Sydney, Australia); Bolitho, J. (University of New South Wales, Australia); Morris, G. (Figtree Organic Farms)
11:25	A clash of cultures: orthodox science versus alternative philosophies	Robert White (University of Melbourne)
11:35	Experiences, Lessons, and Perspectives of Rural Soil Remediation for Sustainable Environmental Quality and Food Safety in Taiwan	Hseu, Z-Y. (National Taiwan University, Taipei); Zueng-Sang C. (National Taiwan University, Taipei)
11:45	The role of litter layer in regulating soil-atmosphere exchange of greenhouse gases in a subtropical secondary forest	Cui, J. (The Chinese University of Hong Kong, China); Lai, D. (The Chinese University of Hong Kong, China)
11:55	Root activities of perennial grasses accelerate long-term soil organic matter decomposition in biological and physical ways	Lu, J. (Chinese Academy of Sciences, China); Dijkstra, F. (University of Sydney, Australia); Wang, P. (Chinese Academy of Sciences, China); Cheng, W. (University of California, USA)
12:05	The impact of carbon addition on the self-organisation of rhizosheath of chickpea (<i>Cicer arietinum</i> L.)	Rabbi, S. (University of Sydney, Australia); Tighe, M.K. (University of New England, Australia); Knox, O. (University of New England, Australia); Young, I.M. (University of Sydney, Australia)
12:15	Using natural and acid-treated zeolites to reduce nitrogen losses in low CEC soils. An application for the sugarcane industry	De Antoni Migliorati, M. (Queensland University of Technology, Australia); Millar, G. (Queensland University of Technology, Australia); Mackinnon, I. (Queensland University of Technology, Australia); Nuttal, K. (Queensland University of Technology, Australia); Grace, P. (Queensland University of Technology, Australia)
12:25	Discussion	
12:40	<i>Lunch - 45 mins</i>	
13:25	KEYNOTE: Using 21st Century Technology to Solve 21st Century Challenges: Soil Security and Capital Markets - Liederman, C. (Liedership)	
Time	Title	Authors
13:55	Micronutrients in soils and human health	Singh, B. (University of Sydney, Australia)
14:05	Te toto o te tangata he kai, te oranga o te tangata, he whenua, he oneone - While food provides the blood in our veins, our health is drawn from the land and soils	Harmsworth, G. (Landcare Research – Manaaki Whenua, New Zealand)

14:15	Health risk related to the lead content in urban dust of Mexico City	Aguilera, A. (Universidad Nacional Autónoma de México, Mexico); Bautista F. (Universidad Nacional Autónoma de México, Mexico); Goguitchaichvili A. (Universidad Nacional Autónoma de México, Mexico); Cejudo R. (Universidad Nacional Autónoma de México, Mexico); Delgado C. (Universidad Nacional Autónoma de México, Mexico); Gutiérrez-Ruiz, M. (Universidad Nacional Autónoma de México, Mexico); Cenicerros A. (Universidad Nacional Autónoma de México, Mexico); López N. (Universidad Nacional Autónoma de México, Mexico)
14:25	Connecting the dots: From urban soil security to human health	Li, G. (Chinese Academy of Sciences, China); Xu, Y-Y. (Chinese Academy of Sciences, China); Zhu, Y-G. (Chinese Academy of Sciences, China)
14:35	Torrents, Typhoid and Tilapia: alleviating floods, waterborne disease and fisheries depletion through soil loss management in Pacific Island river basins	Jenkins, A. (University of Sydney/Edith Cowan University, Australia); Jupiter, S. (Wildlife Conservation Society, Fiji); Mangubhai, S (Wildlife Conservation Society, Fiji)
14:45	Biodiverse soils, immune regulation, and human health	Liddicoat, C. (University of Adelaide, Australia); Breed, M. (University of Adelaide, Australia); Weinstein, P. (University of Adelaide, Australia)
14:55	Understand planetary health: Begin from Soil	Li, X. (Chinese Academy of Sciences, China); Tang, J. (Chinese Academy of Sciences, China)
15:05	Links Between Soils, Micronutrients and Human Health at Region Scales	Alexey Sorokin (Lomonosov Moscow State University)
15:15	Discussion	
15:30	<i>Afternoon Tea - 20 mins</i>	
Time	Title	Authors
15:50	Predicting nutrient loss due to soil erosion across NSW	Yang, X. (NSW Office of Environment and Heritage, Australia); Leys, J. (NSW Office of Environment and Heritage, Australia)
16:00	Nitrogen use efficiency in agroecosystems: challenges and opportunities	Dijkstra, F. (University of Sydney, Australia); Ancev, T. (University of Sydney, Australia); Barbour, M. (University of Sydney, Australia); Chandrawati, R. (University of New South Wales, Australia); Kaiser, B. (University of Sydney, Australia); Keitel, C. (University of Sydney, Australia); Malik, A. (University of Sydney, Australia); Malone, B. (University of Sydney, Australia); Maggi, F. (University of Sydney, Australia); Merchant, A. (University of Sydney, Australia); Shrestha, A. (University of Sydney, Australia); Tang, F (University of Sydney, Australia); Warren, C. (University of Sydney, Australia); Whelan, B. (University of Sydney, Australia); Minasny, B. (University of Sydney, Australia)
16:10	Radical soil management options for broadacre agriculture in South Western Australia	Quenten Knight (Agronomy Focus)
16:20	Soil2Soul Farming – 50 years, just a blink in time!	Thompson, P. (Echo Hills Farming Company/Soil2Soul/InnerCircleWork, Australia); Thompson, N. (Echo Hills Farming Company/Soil2Soul/InnerCircleWork, Australia)
16:30	Moonacres Farm – Saving the Soil 1 acre at a time	Philip Lavers (Moonacres Farm)

16:40	Farming with Natural Intelligence	Di Haggerty
16:50	A practical approach to countering declining soil carbon	Peter McInerney (3D-Ag)
17:00	Discussion	
17:15	Close	
18:00	Sydney Ideas Event (all conference delegates will be automatically registered for this event)	

Thursday 7 December 2018

Time	Title	Authors
8:40	Public money for public good - UK post-Brexit farming policy	Sustainable Food Trust UK
8:50	Measuring and Valuating Food and Farming Sustainability	Sustainable Food Trust UK
9:00	Harmony in Food and Farming	Sustainable Food Trust UK
9:10	Discussion	
Time	Title	Authors
9:25	Save the Soil to Save the Planet - Address by the National Soil Advocate	Major General The Honourable Michael Jeffery (Soils For Life)
9:45	TBA	Major General John Hartley (Future Directions Institute)
10:05	Animal management, an essential tool in soil rehabilitation	Charlie Maslin (Soils For Life)
10:15	What is Soils For Life?	Niree Creed (Soils For Life)
10:25	Using the Sustainable Development Goals as an advocacy tool for healthier soils, healthier planet	Michael Moore (Soils For Life)
10:35	Discussion	
10:50	Morning Tea - 20 mins	
11:10	KENOTE: Soil security in sustainable development - Bouma, J. (Wageningen University, The Netherlands)	
Time	Title	Authors
11:40	Coordination of International Research Cooperation on soil Carbon Sequestration in Agriculture (CIRCASA)	Arias-Navarro, C. (Institut National de la Recherche Agronomique (INRA), France); Smith, P. (University of Aberdeen, Scotland); Frelih-Larsen, A. (Ecologic Institut, Germany); Montanarella, L. (Institute for Environment and Sustainability, Italy); Kuikman, P. (Wageningen Environmental Research, Netherlands); Soussana, J-F. (Institut National de la Recherche Agronomique (INRA), France)
11:50	Codification of Indonesian peatlands for conservation and management	Widyatmanti, W. (Universitas Gadjah Mada, Indonesia); Minasny, B. (University of Sydney, Australia); Hidayati, U. (Geospatial Information Agency, Indonesia)
12:00	Delivering our Future, Valuing our Soils; an inclusive Public Private partnership delivering positive change in Ireland's soils	Gilliland, J. (Devenish Nutrition); Savage, P. (Department of Agriculture, Environment & Rural Affairs, Northern Ireland Executive)

12:10	<i>Discussion</i>	
12:25	KEYNOTE: Engaging Stakeholders for Advancing Soil Health in the United States - Rath, B. (Soil Health Institute, USA); Honeycutt, W. (Soil Health Institute, USA); Shafer, S. (Soil Health Institute, USA); Jones, S. (Soil Health Institute, USA)	
12:55	<i>Lunch - 45 mins</i>	
Time	Title	Authors
13:40	Collaboration: Essential for sustainable soil management	Allan, C. (Soil CRC/Charles Sturt University, Australia)
13:50	A participatory approach to combat the decline of soil organic matter in croplands	Dal Ferro, N. (University of Padova, Italy); Camarotto, C. (University of Padova, Italy); Piccoli, I. (University of Padova, Italy); Berti, A. (University of Padova, Italy); Mills, J. (University of Gloucestershire, England); Morari, F. (University of Padova, Italy)
14:00	Intensifying semi-arid cropping systems to improve soil condition	DeLaune, P. (Texas A&M University, USA); Gentry, T.J. (Texas A&M University, USA); Lewis, K.L. (Texas A&M University, USA)
14:10	Understanding the Mana of Soil through the Hua Parakore Framework: A Māori Framework for Soil Well-Being	Hutchings, J. (Ngāi Tahu, New Zealand); Smith, J. (Victoria University, New Zealand)
14:20	Making soil science work for everyone: Connecting stakeholders to support the development of an integrated framework for soil health in NZ	Kalaugher, E. (DairyNZ, New Zealand); Stevenson, B. (Landcare Research – Manaaki Whenua, New Zealand); Harmsworth, G. (Landcare Research – Manaaki Whenua, New Zealand)
14:30	Magnetic properties of top soils to estimate the concentration of heavy elements in Mexico City	Cejudo, R. (Universidad Nacional Autónoma de México, Mexico); Goguitchaichvili A. (Universidad Nacional Autónoma de México, Mexico); Bautista F. (Universidad Nacional Autónoma de México, Mexico); Aguilera, A. (Universidad Nacional Autónoma de México, Mexico)
14:40	The Use of Color as a Proxy Parameter to Analyze the Urban Dust in Mexico City: A Reconnaissance Study	García, R. (Universidad Nacional Autónoma de México, Mexico); Bautista F. (Universidad Nacional Autónoma de México, Mexico); Goguitchaichvili A. (Universidad Nacional Autónoma de México, Mexico); Cejudo R. (Universidad Nacional Autónoma de México, Mexico); Aguilera, A. (Universidad Nacional Autónoma de México, Mexico)
14:50	<i>Discussion</i>	
15:05	KEYNOTE: Linking soil biota to planetary health: Exemplified by antimicrobials - Zhu, Y-G. (Chinese Academy of Sciences, China)	
15:35	<i>Afternoon Tea - 20 mins</i>	
Time	Title	Authors
15:55	Facilitating land capability assessments through automation of the generation of land quality indicators	Batjes, N. (ISRIC World Soil Information, The Netherlands); de Leeuw, J. (ISRIC World Soil Information, The Netherlands); Heuvelink, G. (ISRIC World Soil Information, The Netherlands); Leenaars, J. (ISRIC World Soil Information, The Netherlands); Mantel, S (ISRIC World Soil Information, The Netherlands); Poggio, L. (ISRIC World Soil Information, The Netherlands); Rossiter, D. (ISRIC World Soil Information, The Netherlands); van den Bosch, R. (ISRIC World Soil Information, The Netherlands); van Lynden, G. (ISRIC World Soil Information, The Netherlands)

16:05	Mapping the soils of the world: a vision, a daydream or a nightmare?	Arrouays, D. (Institut National de la Recherche Agronomique (INRA), France); Richer-de-Forges, A. (Institut National de la Recherche Agronomique (INRA), France); McBratney, A. (University of Sydney, Australia); van den Bosh, R. (ISRIC, The Netherlands); Bouma, J. (Wageningen University and Research, The Netherlands)
16:15	Peat soil in Indonesia: Management and mapping for sustainable use	Fiantis, D. (Universitas Andalas, Indonesia); Ginting, F. (Universitas Andalas, Indonesia); Gusnidar, G (Universitas Andalas, Indonesia); Nelson M. (Payakumbuh Agriculture Polytechnic Institute, Indonesia); Rudiyanto (Bogor Agricultural University, Indonesia); Minasny, B. (University of Sydney, Australia)
16:25	Soil carbon stock capability in South Korea	Lee, C-H. (National Institute of Agricultural Sciences, Republic of Korea); Park, S-J. (National Institute of Agricultural Sciences, Republic of Korea); Hong, S-Y. (National Institute of Agricultural Sciences, Republic of Korea); Malone, B. (University of Sydney, Australia); Minasny, B. (University of Sydney, Australia)
16:35	Evaluating potential for human exposure to dust emissions from biochar amended soils	Parikh, S. (University of California, Davis, USA); Gelardi, D. (University of California, Davis, USA); Li, C. (University of California, Davis, USA)
16:45	Estimation of Carbon Stock in the Peat Soils of Bangladesh	Uddin, M. (University of Dhaka, Bangladesh); Mohiuddin, A (University of Dhaka, Bangladesh); Hassan, M. (University of Dhaka, Bangladesh)
16:55	Soil tests to define soil health and productivity	Horwath, W. (University of California, Davis, USA)
17:05	Soil mapping in France, an analysis of user needs	Richer-de-Forges, A.(Institut National de la Recherche Agronomique (INRA), France); Arrouays, D. (Institut National de la Recherche Agronomique (INRA), France); Bispo, A. (Institut National de la Recherche Agronomique (INRA), France); Lagacherie, P. (University of Montpellier); Laroche, B. (Institut National de la Recherche Agronomique (INRA), France); Lemerrier, B. (Institut National de la Recherche Agronomique (INRA), France); Sauter, J. (Chambre régionale d'agriculture, France); Voltz, M. (University of Montpellier)
17:15	Discussion	
17:30	Wrap-Up	
17:40	<i>Close</i>	
18:30	Conference Dinner to be held at L'Aqua - Rooftop Level, Cockle Bay Wharf, Darling Park, Sydney NSW 2000	