			Session	Order		Name	Country	Affiliation	Final	Abstract Title
June 9(Mon) 08:00~ 10:00 Tam	mna(5F)	code CGS1	Soil for Peace	1	No AF3364	Rattan Lal	USA	The Ohio State University	Type Oral	The Soil-Peace Nexus
June 9(Mon) 08:00~ 10:00 Tam	mna(5F)	CGS1	Soil for Peace	2	AF3378	Magdi Selim	USA	Louisiana State University	Oral	Soils for Peace and Security
June 9(Mon) 08:00~ 10:00 Tam	mna(5F)	CGS1	Soil for Peace	3	AF3385	Ho-Seung Yang	Korea	World Vision Korea	Oral	Starting Unification in Korean Peninsula from Soil
June 10(Tue) 08:30~ 09:50 Tam	mna(5F)	CGS2	Soil Security	1	AF0723	Alex Mcbratney		The University of Sydney	Oral	Soil Security Symposium: Introduction
June 10(Tue) 08:30~ 09:50 Tam	mna(5F)	CGS2	Soil Security	2	IF0920	Johan Bouma	Netherlan ds	Wageningen Universit	Oral	Reaching out from the Soil Box in Pursuit of Soil Security
June 10(Tue) 08:30~ 09:50 Tam	mna(5F)	CGS2	Soil Security	3	AF3330	Anna van Paddenburg	Indonesia	Global Green Growth Institute	Oral	Investing in Green Growth Involves Investing in Soil Security
June 10(Tue) 08:30~ 09:50 Tam	mna(5F)	CGS2	Soil Security	4	AF3285	Robert Hill	Australia	University of Adelaide	Oral	Soil Security and International Climate Policy
June 12(Thu) 08:30~ 09:50 Tam	mna(5F)	CGS3	Soil-Plant Welfares for Human	1	AF3386	Jae E. Yang	Korea	Kanwon National University	Oral	Soil's Capacity to Meet the National Nutrition Values in Korea
June 12(Thu) 08:30~ 09:50 Tam	mna(5F)	CGS3	Soil-Plant Welfares for Human	2	AF3377	Donald L. Sparks	USA	University of Delaware	Orai	Soil Science in the Anthropocene: Golden Opportunities and Grand Challenges
June 12(Thu) 08:30~ 09:50 Tam	mna(5F)	CGS3	Soil-Plant Welfares for Human	3	AF2966	Diana H. Wall	USA	Colorado State University		Soil Biodiversity and Sustainability
June 13(Fri) 08:30~ 09:50 Tam	mna(5F)	CGS4	IUSS for Global Soils: Future Nexus	1	AF3322	Alfred Hartemink	USA	University of Wisconsin - Madison	Orai	The IUSS (1924-2014) as a Link to Global Soil Science and Scientists
June 13(Fri) 08:30~ 09:50 Tam	` ′	CGS4		2	AF3384	Alexander Muller		IASS	Oral	Strengthening the Role of Soil and Land in the Sustainable Development Goals: A Proposal to Increase Collaboration
Dune 9(Mon) 110:10~ 10:40 1	ekrok Hall -B(1F)	()	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	1	AF3284	Ming H. Wong	Hong Kong	Hong Kong Institute of Education	ıOrai	Integrated Management Strategies for Arsenic in Paddy Rice Fields
Dune 9(Mon) 110:40~ 11:00 1	ekrok Hall -B(1F)	()	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	2	AF1648	Longbin Huang	Australia	The University of Queensland	()rai	Risks of metals and metalloids in subsistence farming systems peripheral to metal mines and agronomic interventions
June 9(Mon) 11:00~ 11:20 Bael	ekrok Hall	Ω1	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	3	AF0135	Tomohito Arao	Japan	National Institute for Agro-Environmental	Oral	Effects of soil amendment on cadmium and arsenic concentration and arsenic speciation in rice grain
June 9(Mon) 11:20~ 11:40 Bael	ekrok Hall	Ω1	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	4	AF2800	Saengdao Khaokaew	Thailand	<u> </u>	Oral	Cadmium Phytoremediation in a Contaminated Paddy Soil: A Field Study in Mae Sot District, Thailand
June 9(Mon) 11:40~ 12:00 Bael	ekrok Hall	Ω1	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	5	AK3058	Won Il Kim	Korea	National Academy of Agricultural Science	Oral	Heavy metal levels in Paddy Soils and Brown Rice in Korea
Dune 9(Mon) 112:00~ 12:20 1	ekrok Hall -B(1F)	O1	[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	6	AF0278	Nanthi Bolan	Australia	University of South Australia	Oral	CADMIUM CONTAMINATION AND ITS RISK MANAGEMENT
Dune 9(Mon) 112:20~ 12:40 1	ekrok Hall -B(1F)		[IDS13] Integrated Management Strategies for As and Cd in Rice Paddy Environments	7	AF0313	Ken Nakamura	Japan	National Institute for Agro-Environmental	Oral	Response of dissolved arsenic and cadmium concentrations in paddy soils to changes in the air-filled porosity: Field monitoring
Dune 9(Mon) 110:10~ 11:00 1	ongju Hall -B(1F)	()/	[IDS1] Folk Soil Knowledge for Soil Taxonomy and Assessment	1	AF3344	Pavel Krasilnikov	Russia	Moscow State University	Oral	Soil Perception by Humans: From Ethnopedology to Neuropedology
June 9(Mon) 11:00~ 11:20 A+B	·B(1F)	U2	[IDS1] Folk Soil Knowledge for Soil Taxonomy and Assessment	2	AF0515	Nkosinomusa Buthelezi	South Africa	University of Limpopo	Orai	INDIGENOUS SOIL KNOWLEDGE AND SOIL MAPPING BY ZULU FARMERS, POTSHINI, SOUTH AFRICA
Tiline 9(Mon) 111:20~ 11:40 1	ongju Hall -B(1F)	()/	[IDS1] Folk Soil Knowledge for Soil Taxonomy and Assessment	3	AF2972	Alma Barajas	Mexico	Centro de Investigaciones en	Orai	Use and management of the soils, local perspective of the land attraction.
June 9(Mon) 11:40~ 12:00 A+B	·B(1F)	U2	Taxonomy and Assessment	4	AF0151	Mohd Effendi Wasli	Malaysia	Universiti Malaysia Sarawak	()rai	Ethnopedological knowledge by smallholder farmers for agriculture practice - a case study in Nanga Machan, Kanowit,
TITINE 9(IVION) 112'00~ 12'20 1	ongju Hall -B(1F)	O2	[IDS1] Folk Soil Knowledge for Soil Taxonomy and Assessment	5	AF2254	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico		State and regional soil maps using Maya Soil Classification
Dune 9(Mon) 112:20~ 12:40 1	ongju Hall -B(1F)	U2	Taxonomy and Assessment		AF1565	Alma Barajas	Mexico	Centro de Investigaciones en	Orai	Inventory of local knowledge about buried soils in a volcanic zone of Michoacan Mexico
Hune 9(Mon) 110:00- 10:20 1	om 1(2F)	Ο3	[IDS16] Environmental Risk Management of Geologic Carbon Storage and An	1	AK3367	Seong-Taek Yun	Korea		()rai	Inauguration of K-COSEM (Korea CO2 Storage Environmental Management) Research Center for geologic carbon storage in

							- Oral Schedule(vi	J1.7)			
Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	10:20- 10:40	Room 201(2F)	O3	[IDS16] Environmental Risk Management of Geologic Carbon Storage and An	2	AK3368	Haegeun Chung	Korea	Konkuk University	Oral	Effects of CO2 Disturbance on Soil Ecosystems
June 9(Mon)	10:40-11:00	Room 201(2F)	O3	[IDS16] Environmental Risk Management of Geologic Carbon Storage and An	3	AK3369	Tae Kyung Yoon	Korea	Korea University	Oral	Soil CO2 Efflux in Ecological Studies: Current Status and Challenges
June 9(Mon)	11:30-11:50	Room 201(2F)	O3	[IDS16] Environmental Risk Management of Geologic Carbon Storage and An	4	AK3370	Kang-Kun Lee	Korea	Seoul National University	Oral	Soil Gas Movement and VOC Concentration Change in Unsaturated Zone with Fluctuating Groundwater Table:
June 9(Mon)	11:50-12:10	Room	O3	[IDS16] Environmental Risk Management of	5	AK3371	Seong-Taek Yun	Korea		Oral	Origin and Hydrochemistry of CO2-Rich Springs in Korea:
June 9(Mon)	12:10-12:30	201(2F) Room	O3	Geologic Carbon Storage and An [IDS16] Environmental Risk Management of	6	AK3372	Eungyu Park	Korea	Kyungpook National	Oral	Implications for Long-Term Environmental Effects And Impact of Near-Surface Heterogeneities on CO2 Leakage and the
June 9(Mon)	10:10~ 10:35	201(2F) Halla Hall	O4	Geologic Carbon Storage and An [IDS4] Critical Issues of Radionuclide	1	AF3276	Brenda Howard	United	University Lancaster	Oral	Implication to the Risk Assessment The state of the art on remediation after nuclear accidents
June 9(Mon)	10:35~ 11:00	A+B(3F) Halla Hall	04	Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	2	AF0243	Yasuyuki	Kingdom Japan	Environment Centre Gakushuin University	Oral	prior to the Fukushima Daiichi accident Distribution of radionuclides in the soil environment and their
	11:00~ 11:20	A+B(3F) Halla Hall	O4	Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	3	AK0279	Muramatsu Jaeyoung Choi	Korea	KIST	Oral	transfer to vegetation following the Fukushima Nuclear Subsurface Reactive Transport of U(VI)3
	11:20~ 11:40	A+B(3F) Halla Hall	04	Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	<u></u> Д	AF0550	Atsushi Nakao	Japan	Kyoto Profestural	Oral	Relationship between radiocesium interception potential of
	11:40~ 12:00	A+B(3F) Halla Hall	04	Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	5	AF1236	Masanori Saito	Japan	University	Oral	paddy soil clays in Fukushima and their clay mineralogy Distribution of radioactive cesium in soil and its uptake by
, ,	12:00~ 12:20	A+B(3F) Halla Hall	04	Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	<i>c</i>	AF0785		Ukraine	Institute for Nuclear		herbaceous plants in temperate pastures with different LAYER-TO-LAYER VARIATIONS OF 137Cs CONTENT IN SOIL
		A+B(3F) Halla Hall		Behavior in Soils and Remediation [IDS4] Critical Issues of Radionuclide	7		Nataliia Zarubina		Researche of National National Institute for	Oral	THROUGHOUT A CALENDAR YEAR WITHIN THE ALIENATION Estimation of radiocesium in/out flows in paddy fields in
	12:20~ 12:40	A+B(3F) Samda	O4	Behavior in Soils and Remediation [DS4] The LifetimeContributions ofProfessor		AF3301	Seiko Yoshikawa	Japan	Agro-environmental	Oral	Fukushima, Japan Keith Syers: A champion for soils and agricultural research
	10:15~ 10:35	Hall(3F) Samda	O5	J.Keith Syersto International SoilScience - A [DS4] The LifetimeContributions ofProfessor	1	AF0613	Tony O'donnell	Australia United	Western Australia	Oral	across the world
	10:35~ 10:50	Hall(3F) Samda	O5	J.Keith Syersto International SoilScience - A [DS4] The LifetimeContributions ofProfessor	2	AF2102	David Manning	Kingdom New	Newcastle University Plant & Food	Oral	Nutrient balances, food security and fertilizer raw materials
June 9(Mon)	10:50~ 11:05	Hall(3F)	O5	J.Keith Syersto International SoilScience - A	3	AF1346	Denis Curtin	Zealand	Research	Oral	Contributions of Keith Syers to Knowledge of the Sulphur Cycle J.K. Syers a protagonist for the direct application of reactive
June 9(Mon)	11:05~ 11:20	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	4	AF1298	Nanthi Bolan	Australia	Australia	Oral	phosphate rocks to pasture soils
June 9(Mon)	11:20~ 11:35	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	5	AF0503	Benjamin Turner	USA	Smithsonian Tropical Research Institute	Oral	Pedogenesis, nutrient dynamics, and ecosystem development: the legacy of Keith Syers and T.W. Walker
June 9(Mon)	11:35~ 11:50	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	6	AF0883	John Ryan	Ireland	County Tipperary,	Oral	Keith Syers and P use efficiency in agriculture
June 9(Mon)	11:50~ 12:05	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	7	AF1000	Andrew Sharpley	USA	Division of Agriculture - University of	Oral	J.K. SYERS ON THE ENVIRONMENTAL IMPACT OF AGRICULTURE ON WATER QUALITY
June 9(Mon)	12:05~ 12:20	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	8	AF1309	Cynthia Grant	Canada	Agriculture and Agri- Food Canada	Oral	J.K. SYERS ON THE ISSUE OF CADMIUM IN AGRICULTURAL SYSTEMS
June 9(Mon)	12:20~ 12:40	Samda Hall(3F)	O5	[DS4] The LifetimeContributions ofProfessor J.Keith Syersto International SoilScience - A	9	AF0261	Nanthi Bolan	Australia	University of South Australia	Oral	Phosphorus-metal(loid) interactions in relation to soil remediation
June 9(Mon)	13:40~ 14:00	Baekrok Hall A(1F)	O6	[DS7]African Eco-EfficientSolutions to FoodInsecurity and ClimateChange	1	AF1903	Rolf Sommer	Kenya	International Center for Tropical	Oral	Eco-efficiency of integrated soil fertility management in Western Kenya
June 9(Mon)	14:00~ 14:15	Baekrok Hall A(1F)	O6	[DS7]African Eco-EfficientSolutions to FoodInsecurity and ClimateChange	2	AF0859	Shamie Zingore	Kenya	International Plant Nutrition Institute	Oral	Approaches to buffer crop productivity under variable soil fertility and climatic conditions in sub-Saharan Africa
June 9(Mon)	14:15~ 14:30	Baekrok Hall A(1F)	O6	[DS7]African Eco-EfficientSolutions to FoodInsecurity and ClimateChange	3	AF1994	Job Kihara	Kenya	International Conter	Oral	Predicting crop yield and response to nutrients from soil spectra: example from sub-Sahara Africa
June 9(Mon)	14:30~ 14:45	Daalmal, Hall	O6	[DS7]African Eco-EfficientSolutions to FoodInsecurity and ClimateChange	4	AF1475	Justine Cordingley	Kenya	International Center	Oral	Using an ecosystems approach for securing water and land resources in the Upper Tana Basin
June 9(Mon)	14:45~ 15:00	Packrok Hall	O6	IDS71African Eco-EfficientSolutions to	5	AF0976	Johannes Lehmann	USA		Oral	Beyond vs within the farm gate: nutrient and organic matter solutions to resource-constrained agriculture in Africa
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	20WC33_Oral Schedule(Vol.7)										
Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	15:00~ 15:15	Baekrok Hall A(1F)	O6	[DS7]African Eco-EfficientSolutions to FoodInsecurity and ClimateChange	6	AF2031	Helaina Black	United Kingdom	The James Hutton Institute	Oral	Soils, ecosystem services and poverty alleviation ? a case study from sub-Saharan Africa.
June 9(Mon)	15:15~ 15:30	Baekrok Hall	O6	[DS7]African Eco-EfficientSolutions to	7	AF0105	Richard Dick	USA		Oral	Delivery of Hydrologic and Microbial Services by Indigenous
June 9(Mon)	13:40~ 14:10	A(1F) Baekrok Hall	07	FoodInsecurity and ClimateChange [C3.6-1] Saline and SodicEcosystems in	1	AF1512	Monika Zovko	Croatia	University of Zagreb	Oral	Shrub Rhizospheres to Agroecosystems under a Changing Soil salinity assessment at landscape level using difuse
Julie S(IVIOII)	15.40 14.10	B(1F)	07	theChanging World	_	A1 1312	Wollika Zovko	Croatia	Faculty of	Orai	reflectance spectroscopy and geostatistics
June 9(Mon)	14:10~ 14:30	Baekrok Hall B(1F)	O7	[C3.6-1] Saline and SodicEcosystems in theChanging World	2	AF1372	Lam Ho Nguyen	Viet Nam	Kyoto University, Japan	Oral	SPATIOTEMPORAL VARIABILITY OF SOIL SALINITY AND ITS EFFECTS ON RICE PRODUCTION IN THE NORTH CENTRAL
June 9(Mon)	14:30~ 14:50	Baekrok Hall B(1F)	07	[C3.6-1] Saline and SodicEcosystems in theChanging World	3	AF2976	Ajay Bhardwaj	India	Central Soil Salinity Research Institute	Oral	Resource conservation strategies for rice-wheat cropping systems in partially reclaimed salt affected soils and their effects
June 9(Mon)	14:50~ 15:10	Baekrok Hall B(1F)	07	[C3.6-1] Saline and SodicEcosystems in theChanging World	4	AF0359	Rongjiang Yao	China	Institute of Soil	Oral	Potential short-term effect of cultivation and crop rotation
June 9(Mon)	15:10~ 15:30	Baekrok Hall	07	[C3.6-1] Saline and SodicEcosystems in	5	AF2599	John Triantafilis	Australia	Science, Chinese The University of New	Oral	systems on soil quality in a coastal newly reclaimed farmland, Hydrostratigraphic analysis using electromagnetic induction data
		B(1F) Yeongju Hall		theChanging World [C4.1-3] Soil Ecosystem underClimate					South Wales National Research		and a spatially-constrained algorithm for quasi-three- Climate change effects on the suitability of an agricultural
June 9(Mon)	13:40~ 14:10	A(1F)	O8	Change	1	AF2117	Antonello Bonfante	Italy	Council of Italy -	Oral	area to maize cultivation: A new Land Evaluation Hybrid
June 9(Mon)	14:10~ 14:30	Yeongju Hall A(1F)	O8	[C4.1-3] Soil Ecosystem underClimate Change	2	AF1691	Renuka Ratnayake	Sri Lanka	Institute of Fundamental Studies	Oral	Soil organic carbon fractions, aggregate stability, nutrient availability and their interrelationships in tropical cropping
June 9(Mon)	14:30~ 14:50	Yeongju Hall A(1F)	O8	[C4.1-3] Soil Ecosystem underClimate Change	3	AK1579	Myung Chul Seo	Korea	National Institute of Crop Science	Oral	The Risk Assessment of Drought for Regional Upland Soil According to RCP8.5 Scenario Using Soil Moisture Evaluation
June 9(Mon)	14:50~ 15:10	Yeongju Hall	O8	[C4.1-3] Soil Ecosystem underClimate	4	AF2611	Shu Kee Lam	Australia	The University of	Oral	Nitrogen dynamics and greenhouse gas emissions in cropping
June 9(Mon)	15:10~ 15:30	A(1F) Yeongju Hall	08	Change [C4.1-3] Soil Ecosystem underClimate	5	AF0622	Saikat Chowdhury	Banglades	Melbourne Sher-e-Bangla	Oral	systems under elevated CO ₂ : FACE experiments and a meta- DISTRIBUTION OF PHOTO-ASSIMILATED CARBON AS AFFECTED
		A(1F) Yeongju Hall		Change [C4.1-1]Advances inQuantifying Forest		7 0022	,	h	Agricultural University Chinese Academy of		BY NUTRIENT ADDITION TO SOIL Quantifying contribution of ammonia-oxidizing archaea to
June 9(Mon)	13:40~ 14:10	B(1F)	O9	SoilProcesses andFunctions	1	AF0040	Jizheng He	China	Sciences	Oral	nitrification in acid soils
June 9(Mon)	14:10~ 14:30	Yeongju Hall B(1F)	O9	[C4.1-1]Advances inQuantifying Forest SoilProcesses andFunctions	2	AF2770	Jan Mulder	Norway	Norwegian University of Life Sciences	Oral	Innovative approaches and technologies to assess N2O emissions from forest ecosystems, with examples from south
June 9(Mon)	14:30~ 14:50	Yeongju Hall	O9	[C4.1-1]Advances inQuantifying Forest	3	AF0991	Mary Beth Adams	USA	USDA Forest Service	Oral	The North American Long-Term Soil Productivity Experiment:
June 9(Mon)	14:50~ 15:10	B(1F) Yeongju Hall	O9	SoilProcesses andFunctions [C4.1-1]Advances inQuantifying Forest	4	AF0172	Stephan Wirth	Germany	Leibniz-Centre for	Oral	Findings from a Long-Term, Large-Scale Study Continuous measurement of vertical distribution of CO ₂
June S(Mon)	11.50 15.10	B(1F)		SoilProcesses andFunctions [C4.1-1]Advances inQuantifying Forest	<u> </u>	711 0172	Stephan Wilai	Germany	Agricultural	O Tui	concentration and its isotopic signature in a beech and a pine
June 9(Mon)	15:10~ 15:30	Yeongju Hall B(1F)	O9	SoilProcesses andFunctions	5	AF1095	Roland Riggert	Germany	Institue of plantnutrition and soil	Oral	Stress distribution under forestry machinery and consequences on physical soil functions
June 9(Mon)	13:40~ 14:10	Room 201(2F)	O10	[C3.3-1]Mobilization of EssentialMicronutrients byExudates	1	AF2104	Walter Schenkeveld	Austria	University of Vienna	Oral	Biogeochemistry of Fe acquisition by phytosiderophores in the rhizosphere
June 9(Mon)	14:10~ 14:30	Room 201(2F)	O10	[C3.3-1]Mobilization of EssentialMicronutrients byExudates	2	AF1279	Engy Ahmed	Sweden	Stockholm University	Oral	Siderophore Production by Soil Microorganisms
June 9(Mon)	14:30~ 14:50	Room 201(2F)	O10	[C3.3-1]Mobilization of EssentialMicronutrients byExudates	3	AF1410	Tanja Mimmo	Italy	Free University of Bolzano	Oral	The role of root exudates released by monocots and dicots in mobilizing Fe from soil minerals
June 9(Mon)	14:50~ 15:10	Room 201(2F)	O10	[C3.3-1]Mobilization of EssentialMicronutrients byExudates	4	AF0331	Xue Qiang Zhao	China	Institute of Soil	Oral	The mechanisms of high Al tolerance in Rhodotorula taiwanensis RS1
June 9(Mon)	15:10~ 15:30	Room 201(2F)	O10	[C3.3-1]Mobilization of EssentialMicronutrients byExudates	5	AF0805	Bal Ram Singh	Norway	Norwagian University	Oral	Effect of nitrogen fertilization on zinc and iron uptake and yield components of wheat
June 9(Mon)	13:40~ 14:10	Room 202(2F)	O11	[C1.5-1]Validation of SoilCarbon Sequestration	1	AF2407	Budiman Minasny	Australia	The University of	Oral	Spatial stratification in design-based sampling for soil carbon auditing
June 9(Mon)	14:10~ 14:30	Room 202(2F)	O11	[C1.5-1]Validation of SoilCarbon Sequestration	2	AF1526	Xiong Xiong		University of Florida	Oral	Soil carbon sequestration in the carbon richest region in the conterminous USA
June 9(Mon)	14:30~ 14:50	Room 202(2F)	011	[C1.5-1]Validation of SoilCarbon Sequestration	3	AF1747	Liesl Wiese	South Africa	Agricultural Research Council - Institute for	Oral	Quantification and mapping of vertical soil organic carbon distribution as a function of land use and soil form, with a view
June 9(Mon)	14:50~ 15:10	Room 202(2F)	011	[C1.5-1]Validation of SoilCarbon Sequestration	4	AF2171	Joyce Monteiro	Brazil		Oral	Soil Organic Carbon Stocks under Pasture Atlantic Forest in Rio de Janeiro State, Brazil
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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	15:10~ 15:30	Room 202(2F)	011	[C1.5-1]Validation of SoilCarbon Sequestration	5	AF0130	Pearl Aphrodite Carnice	Philippines	Eastern Visayas State University	Oral	Soil carbon and nutrient status of soils under secondary forest transformations in Leyte Island, Philippines
June 9(Mon)	13:40~ 14:10	Halla Hall	O12	[C2.2-1]Biogeochemical Reactivityof Soils	1	AF3279	Oliver Chadwick	USA	University of	Oral	Colloid formation and Transport Along Hillslopes Modifies
lune 9(Mon)	14:10~ 14:30	A(3F) Halla Hall	012	and Sediments:Molecular Process [C2.2-1]Biogeochemical Reactivityof Soils	2	AF1912	Sabrina Juarez	France	iEES, Universite Pierre	Oral	Erosion and Ridge - Valley Spacing in Post-Orogenic Hierarchy of two drivers of soil organic matter biodegradation?:
		A(3F) Halla Hall		and Sediments:Molecular Process [C2.2-1]Biogeochemical Reactivityof Soils	2		Sabilia Jualez		et Marie Curie University of	Orai	microbial habitat properties versus microbial communities Shedding Light on Soil Organic Matter-Mineral Associations:
June 9(Mon)	14:30~ 14:50	A(3F)	O12	and Sediments:Molecular Process	3	AF2203	Donald Sparks	USA	Delaware	Oral	Their Role in Carbon Cycling and Sequestration in the Terrestrial
June 9(Mon)	14:50~ 15:10	Halla Hall A(3F)	O12	[C2.2-1]Biogeochemical Reactivityof Soils and Sediments:Molecular Process	4	AF2975	Brandy Toner	USA	University of Minnesota	Oral	Mercury and sulfur cycling in a peatland soil warming and carbon dioxide enhancement study: sulfur speciation at time-
June 9(Mon)	15:10~ 15:30	Halla Hall A(3F)	012	[C2.2-1]Biogeochemical Reactivityof Soils and Sediments:Molecular Process	5	AF2205	Julien Guigue	France	Biogeosciences - University of	Oral	The effect of microbial diversity on soil organic carbon mineralisation highlighted by a ¹³ C-labelling technique
June 9(Mon)	15:30~ 15:50	Halla Hall	O12	[C2.2-1]Biogeochemical Reactivityof Soils and Sediments:Molecular Process	6	AF3139	Jiuyu Li	China	Istitute of Soil	Oral	Fe/Al oxides can act as natural anti-acidification agents in variable charge soils
June 9(Mon)	13:40~ 14:10	A(3F) Halla Hall	O13	[C1.1-2]Interactions betweenSoil Structure,	1	AF1933	Rosa Maria Poch	Spain	Science, Chinese Universitat de Lleida	Oral	Fertilisation with pig slurry affects the pore size distribution
June 9(Mon)	14:10~ 14:30	B(3F) Halla Hall	013	LivingOrganism and OrganicMatter [C1.1-2]Interactions betweenSoil Structure,	2	AF1400	Punyisa	Thailand	Kasetsart University	Oral	of soils The use of Pb labelling and SEM to investigate organic matter in
	14:30~ 14:50	B(3F) Halla Hall	013	LivingOrganism and OrganicMatter [C1.1-2]Interactions betweenSoil Structure,	2	AF2499	Trakoonyingcharoen Laura Gargiulo	Italy	National Research	Oral	Thai soil microaggregates Interactions between soil structure and soil organic matter:
		B(3F) Halla Hall		LivingOrganism and OrganicMatter [C1.1-2]Interactions betweenSoil Structure,			3		Council Free University of		contribution of pedofauna activity Ectomycorrhizal fungi in association with Pinus sylvestris
June 9(Mon)	14:50~ 15:10	B(3F) Halla Hall	O13	LivingOrganism and OrganicMatter [C1.1-2]Interactions betweenSoil Structure,	4	AF1073	Weishuang Zheng	Germany	Berlin	Oral	seedlings promote soil aggregation and soil water repellency Soil Aggregate Formation and Stability Induced by Starch and
June 9(Mon)	15:10~ 15:30	B(3F)	O13	LivingOrganism and OrganicMatter	5	AF1321	Katsutoshi Mizuta	Japan	Soka University	Oral	Cellulose
June 9(Mon)	13:40~ 15:30	Samda Hall(3F)	O14	[IDS12]Development of Agricultural Technology and Contribution	1	AF3355	Donald Sparks	USA	University of Delaware	Oral	The Critical Role of Soils in Preserving and Enhancing a Sustainable World
June 9(Mon)	13:40~ 15:30	Samda Hall(3F)	O14	[IDS12]Development ofAgriculturalTechnology andContribution	2	AF3356	Kisan Gunjal	Canada	Global Information and Early Warning	Oral	Increasing Role of Internal Organizations for Global Food Security
June 9(Mon)	13:40~ 15:30	Samda Hall(3F)	O14	[IDS12]Development ofAgriculturalTechnology andContribution	3	AF3357	Rattan Lal	USA	The Ohio State University	Oral	The Role of Soil Scientists in Addressing Global Issues of the Anthropocene and Climate Strategic Agroecosystems
June 9(Mon)	13:40~ 15:30	Samda	014	[IDS12]Development	4	AF3358	Winfried Blum	Austria	BOKU University	Oral	Strategy of Land Utilization for Environmentally Sustainable
June 9(Mon)	13:40~ 15:30	Hall(3F) Samda	014	ofAgriculturalTechnology andContribution [IDS12]Development	5	AF3359	Zueng-Sang Chen	Taiwan	Vienna/Austria National Taiwan	Oral	Agriculture Development and Utilization of Indicators to Manage Soil and
		Hall(3F) Samda		ofAgriculturalTechnology andContribution [IDS12]Development	5				University North Carolina State		Environmental Resources
June 9(Mon)	13:40~ 15:30	Hall(3F) Samda	O14	ofAgriculturalTechnology andContribution [IDS12]Development	6	AF3360	Owen Duckworth	USA	University	Oral	Strategies to Prevent Soil from Pollution and Degradation Utilization of Korean Soil Information System - Heulg-To-Ram
June 9(Mon)	13:40~ 15:30	Hall(3F)	O14	ofAgriculturalTechnology andContribution	7	AK3361	Deogbae Lee	Korea	NAAS, RDA	Oral	for Research-Extension-Network in Agriculture
June 9(Mon)	13:40~ 15:30	Samda Hall(3F)	O14	[IDS12]Development ofAgriculturalTechnology andContribution	8	AF3362	Mizuhiko Nishida	Japan	NARO Tohoku Agricultural Research	Oral	Reinforcing Agro-Material Industries to Maintain Soil Fertility and Crop Production
June 9(Mon)	13:40~ 15:30	Samda Hall(3F)	O14	[IDS12]Development ofAgriculturalTechnology andContribution	9	AF3363	Jeff Novak	USA	USDA-ARS-CPRC	Oral	Management of Soil and Nutrients Considering Soil Spatial Variation
June 9(Mon)	13:40~ 14:10	Room 401(4F)	O15	[C4.1-2]EnvironmentalManagement of Post- Epidemic Carcass BurialSites	1	AF3303	Seungho Yu	Korea	Korea Atomic Energy Research Institute	Oral	Disinfection effects of calcium oxide (CaO) on pathogenic microorganisms in leachate from infected livestock carcass
June 9(Mon)	14:10~ 14:30	Room 401(4F)	O15	[C4.1-2]EnvironmentalManagement of Post- Epidemic Carcass BurialSites	2	AK3231	Sung Chul Kim	Korea	Chungnam National University	Oral	Determining Leaching Possibility of Carcass Leachate in Groundwater
June 9(Mon)	14:30~ 14:50	Room 401(4F)	O15	[C4.1-2]EnvironmentalManagement of Post- Epidemic Carcass BurialSites	3	AK0470	Anushka Upamali Rajapaksha	Korea	Kangwon National University	Oral	Invasive plant-derived biochar inhibits sulfamethazine uptake by lettuce in soil
June 9(Mon)	14:50~ 15:10	Room	O15	[C4.1-2]EnvironmentalManagement of Post-	4	AK1619	Kwon-Rae Kim	Korea	Gyeongnam National	Oral	Application of woody tree based phytoremediation technique to
June 9(Mon)	15:10~ 15:30	401(4F) Room	O15	Epidemic Carcass BurialSites [C4.1-2]EnvironmentalManagement of Post- Epidemic Carcass BurialSites	5	AF3064	Ahmad Heidari	Iran	University of Science University of Tehran	Oral	remove N and P from soil: implication for cleaning up the Characteristics of some Technosols developed on oil refinery
		401(4F)		Epideniic Carcass buriaisites	L	1	l	1	<u> </u>	1	waste materials

							- Oral Schedule(vi	J1.7)			
Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	13:40~ 14:10	Room 402(4F)	O16	[C2.3-1]Modern Soil Biologyfor N and CTransformation: FromGenes to Ecosystems	1	AF1022	Keishi Senoo	Japan	The University of Tokyo	Oral	Denitrifying Microbial Community in Agricultural Soil: Key Players Involved in N ₂ O Generation and Elimination
June 9(Mon)	14:10~ 14:30	Room	O16	[C2.3-1]Modern Soil Biologyfor N and	2	AF0128	Zubin Xie	China	institute of soil	Oral	Biological N ₂ fixation and its main contributor in a flooded rice-
		402(4F)		CTransformation: FromGenes to Ecosystems			14 · Al		science, chinese		soil system by a novel air-tight ¹⁵ N ₂ incubation technique under
June 9(Mon)	14:30~ 14:50	Room	O16	[C2.3-1]Modern Soil Biologyfor N and	3	AF1792	Maria Alexandra	Italy	University of Turin	Oral	Resource driven community dynamics of assimilatory archaeal
		402(4F)		CTransformation: FromGenes to Ecosystems			Cucu	-			denitrifiers in temperate paddy soils
June 9(Mon)	14:50~ 15:10	Room	O16	[C2.3-1]Modern Soil Biologyfor N and	4	AF0885	Kristin Fisher	USA	University of	Oral	Ureolytic Microbial Community Composition in Maryland Soils: A
		402(4F)		CTransformation: FromGenes to Ecosystems				11.25	Maryland		Missing Link in Understanding Landscape-Scale Nitrogen
June 9(Mon)	15:10~ 15:30	Room	O16	[C2.3-1]Modern Soil Biologyfor N and	5	AF1107	John Scullion	United	Aberystwyth	Oral	DNA metabarcoding of fungal populations in restored colliery
		402(4F)		CTransformation: FromGenes to Ecosystems				Kingdom	University		spoil soils
June 10(Tue)	10:10~ 10:40	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	1	AF0547	Yakov Kuzyakov	Germany	University of	Oral	Degradation and progradation of soil organic matter pools
		A+B(1F)		Mitigate Land Degradation			-		Gottingen		and functions by land use
June 10(Tue)	10:40~ 11:00	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	2	AF1211	Syuntaro Hiradate	Japan	National Institute for	Oral	Factors affecting soil erosion on an oceanic island in Ogasawara,
		A+B(1F)		Mitigate Land Degradation			-		Agro-Environmental		Japan: the effects of soil chemical properties and landscape
June 10(Tue)	11:00~ 11:20	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	3	AF2643	Zhang Xue-Ling	China	College of Forestry ,	Oral	Study on Soil Eco-hydrological Function during the Degradation
		A+B(1F)		Mitigate Land Degradation			3 3		Jiangxi Agricultural		Process of Mountain Meadow
June 10(Tue)	11:20~ 11:40	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	4	AK1721	Sinkyu Kang	Korea	Kangwon National	Oral	Confounding effects of climate change and livestock grazing on
		A+B(1F)		Mitigate Land Degradation			, ,		University		pasture land degradation in Mongolia
June 10(Tue)	11:40~ 12:00	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	5	AF3259	Suwardi Suwardi	Indonesia	Indonesian Society of	Oral	Sustainable Peatland Management for Mitigating Greenhouse
		A+B(1F)		Mitigate Land Degradation					Soil Science		Gas Emission
June 10(Tue)	12:00~ 12:20	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	6	AF2989	Guenola Peres	France	INRA Agrocampus	Oral	Reduced tillage systems for sustainable arable farming in North-
		A+B(1F)		Mitigate Land Degradation					Ouest UMR SAS		West Europe ? An integrated assessment of soil properties, soil
June 10(Tue)	12:20~ 12:40	Baekrok Hall	O17	[IDS9] Key Processes and Factors to	7	AF0698	Philippe Baveye	USA	Rensselaer	Oral	Soil degradation, hunger, and sustainable development in
		A+B(1F)		Mitigate Land Degradation					Polytechnic Institute		Subsaharan Africa: Critical assessment of the "African soil crisis"
June 10(Tue)	10:10~ 10:40	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	1	AF0659	Evan Delucia	USA	University of Illinois	Oral	Will reliance on bioenergy affect climate-regulating services
54.10 10(14C)		A+R(TF)	010	Soils and the Environment	_						of ecosystems?
June 10(Tue)	10:40~ 11:00	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	2	AF0706	Alan Franzluebbers	USA	USDA-Agricultural	Oral	Farming Strategies to Feed People, Facilitate Essential Soil
34.10 10(140)	10.10 11.00	A+B(1F)	010	Soils and the Environment	_	000	7 11 11 11 12 14 15 5 6 15		Research Service	0.0.	Services, and Fuel the Economy
lune 10(Tue)	11:00~ 11:20	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	3	AF1002	Maria Villamil	USA	University of Illinois	Oral	Soil properties and corn yield response to residue removal,
Julie 10(Tue)	11.00 11.20	A+B(1F)	010	Soils and the Environment	3	711 1002	TVIGITA VIIIGITIII	03/1	,	Orui	tillage, and N rates
lune 10(Tue)	11:20~ 11:40	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	4	AF2538	Muhammad Igbal	Pakistan	PMAS-Arid	Oral	Changes in Land Use of Contaminated Agricultural Soils from
June 10(100)	11.20 11.10	A+B(1F)	010	Soils and the Environment		2550	manamina 195a	· artiotari	Agriculture University	0.0.	Annual Crops to Perennial Bioenergy Crops Impact their Trace
June 10(Tue)	11:40~ 12:00	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	5	AF1121	Thomas Sauer	USA	USDA-ARS-NLAE	Oral	Impact of Agroforestry Plantings for Bioenergy Production on
Julie 10(Tue)	11.40 12.00	A+B(1F)	010	Soils and the Environment	3	/ ((1121	momas sauci	03/1	OSDA AIRS NEAE	Orai	Soil Organic Carbon
lune 10(Tue)	12:00~ 12:20	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	6	AF0124	Jaehoon Lee	USA	University of	Oral	Soil Carbon Dioxide Respiration in Switchgrass Crops: Assessing
Julie 10(Tue)	12.00 12.20	A+B(1F)	010	Soils and the Environment	O	711 012-	Jaciloon Lee	03/1	Tennessee	Orai	Annual, Seasonal and Daily Flux Patterns in East Tennessee.
June 10(Tue)	12.20~ 12.40	Yeongju Hall	O18	[IDS10] Impact of Bioenergy Cropping on	7	AF1281	Vance Owens	USA	South Dakota State	Oral	Environmental impact of growing herbaceous perennials for
June 10(1de)	12.20 12.10	A+B(1F)	010	Soils and the Environment	<u> </u>	711 1201	varice oweris	03/1	University	Orui	bioenergy
lune 10(Tue)	10:20~ 10:40	Room	O19	[IDS17] Surface Soil Resources Inventory	1	AF3375	Richard MacEwan	Australia	State government of	Oral	Crop Productivity, Ground Cover and Wind Erosion Likelihood -
Julie 10(Tue)	10.20 10.40	201(2F)	013	and Integration: Soil Value and Erosion	_	711 3373	Menara Macewari	Adstralia	Victoria	Orai	Modelling and Mapping Surface Soil Protection for In-Season
June 10(Tue)	10:40~ 11:00	Room	O19	[IDS17] Surface Soil Resources Inventory	2	AF3374	Panos Panagos	Italy	European Commission	Oral	What is the Cost of Soil Erosion in Europe?
Julie 10(Tue)	10.40** 11.00	201(2F)	013	and Integration: Soil Value and Erosion	_	AI 3374	r anos r anagos	Italy	Luropean Commission	Orai	What is the Cost of Soil Erosion in Europe:
June 10(Tue)	11:00~ 11:20	Room	O19	[IDS17] Surface Soil Resources Inventory	3	AF3373	Zueng Sang Chen	Taiwan	National Taiwan	Oral	Soil Erosion Status and Management Strategies in Taiwan
Julie 10(Tue)	11.00** 11.20	201(2F)	013	and Integration: Soil Value and Erosion	5	AI 3373	Zuerig Sarig Chen	Taiwaii	University	Orai	3011 Erosion Status and Management Strategies in Talwan
luno 10/Tuo)	11:30~ 11:45	Room	O19	[IDS17] Surface Soil Resources Inventory	4	AK3379	Kyung Jae Lim	Korea	Kangwon National	Oral	ArcGIS-based SATEEC (SATEEC 2014) for Soil Erosion Estimation
Julie 10(Tue)	11.50** 11.45	201(2F)	013	and Integration: Soil Value and Erosion	7	AKSS75	Rydrig Jae Liiii	Korea	University	Orai	·
luno 10/Tuo)	11:45~ 12:00	Room	O19	[IDS17] Surface Soil Resources Inventory	5	AK3376	Sung Chul Kim	Koroa	Chungnam National	Oral	Best management practice for preventing soil loss in highland
Julie 10(106)	11.45~ 12.00	201(2F)	013	and Integration: Soil Value and Erosion	ر	AK23/0	Suring Criui NIIII	Korea	University	Olai	agricultural field
luno 10/Tuo)	12:00~ 12:15	Room	O19	[IDS17] Surface Soil Resources Inventory	6	AK3380	Kye Chul Eom	Koros	Sejong Institute of	Oral	Effect of the Countermeasures for Prevention of Soil Erosion in
Julie 10(Tue)	12.00~ 12.15	201(2F)	013	and Integration: Soil Value and Erosion	0	W/2200	Rye Chui EUIII	Korea	data analysis	Olai	Korea and DPRK
lune 10(Tun)	12:15~ 12:30	Room	O19	[IDS17] Surface Soil Resources Inventory	7	AK3381	Giha Lee	Korea	Kyungpook National	Oral	Spatiotemporal Variation of Erosion and Deposition using the
Julie 10(Tue)	12.15~ 12:30	201(2F)	019	and Integration: Soil Value and Erosion	<u></u>	WVDDQI	Gilla Lee	KUIEd	University	Orai	Catchment-scale Soil Erosion Model (C-SEM)

			session			Abstract	Oral Schedule(vi	J1.7)		Final	
Date	Time	Room	code	Session	Order	No	Name	Country	Affiliation	Туре	Abstract Title
June 10(Tue)	12:30~ 12:45	Room 201(2F)	O19	[IDS17] Surface Soil Resources Inventory and Integration: Soil Value and Erosion	8	AK3382	Sang il Hwang	Korea	Korea Environment Institute	Oral	Towards Sustainable Topsoil Management in South Korea
June 10(Tue)	10:10~ 10:40	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	1	AF3290	Luca Montanarella	Italy	European Commission	Oral	The Intergovernmental Technical Panel on Soils (ITPS)
June 10(Tue)	10:40~ 11:00	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	2	AF1709	Liesl Wiese	South Africa	Agricultural Research Council - Institute for	I()ral	A 10-year Plan of Action for Pillar 1 of the Global Soil Partnership to Globally Promote Sustainable Soil Management
June 10(Tue)	11:00~ 11:20	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	3	AF0160	Milkha Aulakh	India	MSKJ University of Agriculture &	Oral	Changing Soil Science Education for Confronting Challenges
June 10(Tue)	11:20~ 11:40	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	4	AF1496	Willie Towers	United Kingdom	The James Hutton Institute	Oral	Pillar Two of the Global Soil Partnership, from concept to endorsement
June 10(Tue)	11:40~ 12:00	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	5	AF2559	Pavel Krasilnikov	Russia	Moscow State University	Oral	The challenges for the Eurasian Soil Partnership
June 10(Tue)	12:00~ 12:20	Halla Hall A+B(3F)	O20	[IDS2] Global Soil Partnership	6	AF1707	Mike Grundy	Australia	CSIRO	Oral	GlobalSoilMap's Oceania Node: towards the first Node version of a finescale soil grid
June 10(Tue)	10:10~ 10:40	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	1	AF3289	Ian L. Pepper	USA	University of Arizona	Oral	The Soil Health-Human Health Nexus
June 10(Tue)	10:40~ 11:00	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	2	AF3237	Sally Brown	USA	University of Washington	Oral	Urban agriculture- ground zero for soils and human health
June 10(Tue)	11:00~ 11:20	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	3	AF2885	Stefan Norra	Germany	Karlsruhe Institute of Technology	Oral	Relevance of soil climate variations and microclimate for the distribution of ticks and tick borne diseases in South-West
June 10(Tue)	11:20~ 11:40	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	4	AF0657	Ali Cherati	Iran	Soil and Water	Oral	Relationship of Soil Cadmium Content and Wheat Grain Cadmium Concentration in some Wheat Cultivated Regions of
June 10(Tue)	11:40~ 12:00	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	5	AF0731	Peng Cai	China	Live de en en America de anal	Oral	Escherichia coli O157:H7 deposition, survival and toxic genes expression on soil clay minerals in a flow system
June 10(Tue)	12:00~ 12:20	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	6	AF2722	Qingqi Lin	China	Sun yat-sen university	Oral	Current status of soil contamination in e-waste recycling sites in south China
June 10(Tue)	12:20~ 12:40	Samda Hall(3F)	O21	[IDS7] The Soil Health: Human Health Nexus	7	AF0428	Tubukhanim Gasimzade	Azerbaidja n	Azerbaijan National Academy of Sciences	Oral	Influence of environmental factors on ecology of soils of Shirvan Region of Azerbaijan.
June 10(Tue)	13:40~ 14:10	Baekrok Hall A(1F)	O22	[WG6]Urban Soils-Properties,Functions and Evolution	1	AF1460	Geertrui Louwagie	Denmark	European Environment Agency	Oral	THE ECONOMICS OF SOIL IN EUROPEAN URBAN AND PERI- URBAN CONTEXTS
June 10(Tue)	14:10~ 14:30	Baekrok Hall A(1F)	O22	[WG6]Urban Soils-Properties,Functions and Evolution	2	AF2912	Stefan Norra	Germany	Karlsruhe Institute of Technology	Oral	Assessment and monetization of ecosystem services of soils in urban regions for the example of Karlsruhe
June 10(Tue)	14:30~ 14:50	Baekrok Hall A(1F)	O22	[WG6]Urban Soils-Properties,Functions and Evolution	3	AF2092	David Manning	United Kingdom	Newcastle University	Oral	Carbon capture in urban soils
June 10(Tue)	14:50~ 15:10	Baekrok Hall A(1F)	O22	[WG6]Urban Soils-Properties,Functions and Evolution	4	AF3034	Wolfgang Burghardt	Germany	University Duisburg- Essen	Oral	Features of soils of abandoned industrial and mining areas for forestry
June 10(Tue)	15:10~ 15:30	Backrok Hall	O22	[WG6]Urban Soils-Properties,Functions and Evolution	5	AF2539	Przemyslaw Charzynski	Poland	Nicolaus Copernicus University	Oral	Ekranic and Urbic Technosols of Debrecen
June 10(Tue)	13:40~ 14:10	Baekrok Hall B(1F)	O23	[DS3] Modelling of Soil Properties and Processes - Challenges and Opportunities	1	AF0663	Chris Oostenbrink	Austria	University of Natural Resources and Life	Oral	Molecular simulation techniques for complex soil systems
June 10(Tue)	14:10~ 14:30	Baekrok Hall B(1F)	O23	[DS3] Modelling of Soil Properties and Processes - Challenges and Opportunities	2	AF1517	Saoirse Tracy	United Kingdom	University of	Oral	Visualisation and validation of the water release curve using X-ray Computed Tomography
June 10(Tue)	14:30~ 14:50	Baekrok Hall B(1F)	O23	[DS3] Modelling of Soil Properties and Processes - Challenges and Opportunities	3	AF2822	Francesco Morari	Italy		Oral	Building 3D soil models combining X-ray CT and 3D printing technology. First applications to a loamy soil.
June 10(Tue)	14:50~ 15:10	Backrok Hall	O23	[DS3] Modelling of Soil Properties and Processes - Challenges and Opportunities	4	AF1817	Alexis Le Couteulx	France	INRA, AgroCampus Ouest UMR SAS	Oral	A computerized model of soil structure integrating biological and physical processes to assess the impact of reduced tillage
June 10(Tue)	15:10~ 15:30	D 1 1 11 11	O23	[DS3] Modelling of Soil Properties and Processes - Challenges and Opportunities	5	AF0320	Asim Biswas	Canada		Oral	Does the fractal behavior of surface soil water storage holds at multiple depths?
June 10(Tue)	13:40~ 14:10	V	O24	[DS2] A: Soil Development and Soil Properties and Functions	1	AF1269	Ingrid Koegel- Knabner	Germany	Technische Universitaet		Evolution of soil functionality in natural and artificial soil systems
June 10(Tue)	14:10~ 14:30	Vaanaiu Hall	O24	IDS21 A: Soil Development and Soil	2	AF2094	Raimonds Kasparinskis	Latvia	University of Latvia, Faculty of Geography	it irai	Changes in Soil properties due to Afforestation of Former Agricultural Lands in the Boreo-nemoral zone

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	14:30~ 14:50	Yeongju Hall A(1F)	O24	[DS2] A: Soil Development and Soil Properties and Functions	3	AF1809	Shin Abe	Japan	Kinki University	Oral	Effects of the mound-building termite (Macrotermes bellicosus) on iron (oxyhydr)oxide mineralogy in highly weathered tropical
June 10(Tue)	14:50~ 15:10	Yeongju Hall	O24	[DS2] A: Soil Development and Soil	4	AF1049	Bin Zhang	China	Institute of Agricultural Resources	Oral	Initial stage processes of soil development processes observed
June 10(Tue)	15:10~ 15:30	A(1F) Yeongju Hall	O24	Properties and Functions [DS2] A: Soil Development and Soil	5	AF0369	Heng Tsai	Taiwan	National Changhua	Oral	by a field experiment The parental source of the Terra Rossa like soils on the Liuchiuyu
		A(1F)		Properties and Functions [C2.5-3] A: Mechanism Controlling			. 9		University of National Institute for		Island, Taiwan Management Options to Control Methane Emissions from
June 10(Tue)	13:40~ 14:10	B(1F)	O25	Greenhouse Gas Emissions from Soils	1	AF3089	Kazuyuki Yagi	Japan	Agro-Environmental	Oral	Rice Paddy Soils
June 10(Tue)	14:10~ 14:30	Yeongju Hall B(1F)	O25	[C2.5-3] A: Mechanism Controlling Greenhouse Gas Emissions from Soils	2	AF1341	Ramya Thangarajan	Australia	University of South Australia	Oral	Greenhouse gas emission from organic amendments applied soils- Emission processes, controlling factors, and mitigation
June 10(Tue)	14:30~ 14:50	Yeongju Hall B(1F)	O25	[C2.5-3] A: Mechanism Controlling Greenhouse Gas Emissions from Soils	3	AF0335	Upendra Sainju	USA	USDA, Agricultural Research Service	Oral	Life-cycle Analysis of Dryland Greenhouse Gases Affected by Cropping Sequence and Nitrogen Fertilization
June 10(Tue)	14:50~ 15:10	Yeongju Hall	O25	[C2.5-3] A: Mechanism Controlling	4	AF2779	Thilo Streck	Germany	University of	Oral	Eddy-covariance measurements of CH4 and CO2 fluxes from a
June 10(Tue)	15:10~ 15:30	B(1F) Yeongju Hall	O25	Greenhouse Gas Emissions from Soils [C2.5-3] A: Mechanism Controlling	5	AF0033	Louis Pierre Comeau	Canada	Hohenheim, Stuttgart University of	Oral	reed-covered fen in Southwest Germany Carbon dioxide emissions and soil properties in intact and
		B(1F) Room		Greenhouse Gas Emissions from Soils [C2.1-2] Biophysical Aspects of Soil					Aberdeen / Center for Rensselaer		disturbed tropical peatlands of Indonesia. Understanding emergent responses of soils to environmental
June 10(Tue)	13:40~ 14:10	201(2F)	O26	Function - Exploring Soil Hidden Frontiers	1	AF0680	Philippe Baveye	USA	Polytechnic Institute	Oral	change: What do we know about upscaling?
June 10(Tue)	14:10~ 14:30	Room 201(2F)	O26	[C2.1-2] Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	2	AF1175	Taku Nishimura	Japan	The University of Tokyo	Oral	Mechanism of increase in hydrophobicity of a forest Andisol by thermal impact
June 10(Tue)	14:30~ 14:50	Room	O26	[C2.1-2] Biophysical Aspects of Soil	3	AF2036	Nyaz Sulaiman	United	Harner Adams	Oral	Effect of soil type and bulk density on the stem and root lodging
June 10(1de)	11.50 11.50	201(2F)	020	Function - Exploring Soil Hidden Frontiers	3	711 2030	Tyuz Salamian	Kingdom	University	Orui	resistance of wheat
June 10(Tue)	14:50~ 15:10	Room 201(2F)	O26	[C2.1-2] Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	4	AF0429	Birl Lowery	USA	University of Wisconsin-Madoison	Oral	Spatial Variability of Crop Yield on an Eroded Silt Loam Soil with Varying Depth to Root Restrictive Layer
June 10(Tue)	15:10~ 15:30	Room 201(2F)	O26	[C2.1-2] Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	5	AF0266	Xinhua Peng	China	State Key Laboratory of Soil and	Oral	Soil Structure and its Functions in Ecosystems: Scale Matter & Phase Matter
10/T	12.40 14.10	Room	007	[C1.1-1] The Role of Environment on Soil	_	. = 1 000		_	AgroDarisTock /Instit		Quantification by image analysis on soil thin sections of
June 10(Tue)	13:40~ 14:10	202(2F)	O27	formation: Morphological Indicators	1	AF1888	Ophelie Sauzet	France	ut National de la	Oral	lessivage and bioturbation rates in soils in response to land
June 10(Tue)	14:10~ 14:30	Room 202(2F)	O27	[C1.1-1] The Role of Environment on Soil formation: Morphological Indicators	2	AF1653	Irina Kovda	Russia	Institute of Geography	Oral	Identification of relict carbonate pedofeatures in modern Chernozems
June 10(Tue)	14:30~ 14:50	Room	O27	[C1.1-1] The Role of Environment on Soil	3	AF0273	Lucia Helena Anjos	Brazil	UFRRJ	Oral	Isotopic techniques applied to environmental changes in
		202(2F) Room		formation: Morphological Indicators [C1.1-1] The Role of Environment on Soil					Sultan Qaboos		Histosols in Itatiaia National Park, Brazil Effects of anthropogenic interventions on the Entisols of Al-
June 10(Tue)	14:50~ 15:10	202(2F)	O27	formation: Morphological Indicators	4	AF0260	Said Al-Ismaily	Oman	University	Oral	Khoud dam area in a dry region of Oman
June 10(Tue)	15:10~ 15:30	Room 202(2F)	O27	[C1.1-1] The Role of Environment on Soil formation: Morphological Indicators	5	AF1886	Udeme Akpan	Nigeria	University of Uyo, Akwa Ibom State,	Oral	DIGITAL SOIL MAPPING AND CLASSIFICATION FOR SUSTAINABLE CROP CULTIVATION IN NORTHEAST, AKWA IBOM
June 10(Tue)	13:40~ 14:10	Halla Hall A(3F)	O28	[C3.5-1] Water Conservation Technologies and Impacts on Sustainable Dry Land	1	AF0070	Zornitsa Popova	Bulgaria	Institute of Soil	Oral	Droughts and climate change in Bulgaria: assessing maize crop risk and irrigation requirements in relation to soil and
June 10(Tue)	14:10~ 14:30	Halla Hall	O28	[C3.5-1] Water Conservation Technologies	2	AF1162	Jun Wang	China	Science Northwest University	Oral	Effect of Mulching on Dryland Soil Water, Winter Wheat Yield,
June 10(Tue)		A(3F) Halla Hall	O28	and Impacts on Sustainable Dry Land [C3.5-1] Water Conservation Technologies	2	AF2642	Kenta Ikazaki	Japan	Tokyo Motropolitan	Oral	and Water Use Efficiency "Fallow Band System", a do-nothing practice for controlling
		A(3F) Halla Hall		and Impacts on Sustainable Dry Land [C3.5-1] Water Conservation Technologies	3			Japan	University Gembloux Agro-Bio	Orai	desertification and improving crop production in the Sahel, West Soil infrastructure evolution and its effect on water transfer
June 10(Tue)	114.20~ 12.10	A(3F)	O28	and Impacts on Sustainable Dry Land	4	AF0975	Nargish Parvin	Belgium	Tech	Oral	processes under contrasted tillage systems
June 10(Tue)	15:10~ 15:30	Halla Hall A(3F)	O28	[C3.5-1] Water Conservation Technologies and Impacts on Sustainable Dry Land	5	AF0337	Jiazhou Chen	China	Huazhong Agricultural University	Oral	Soil hydraulic properties and moisture regime as affected by agronomic management practices in a clayey Ultisol
June 10(Tue)	13:40~ 14:10	Halla Hall B(3F)	O29	[C2.4-1] Mineralogy and Reactivity of Soil Microsites	1	AF1101	Joerg Prietzel	Germany	Chair of Soil Science, Technische	Oral	Synchrotron-based µ-XAFS, NanoSIMS, and AFM microscopy as novel tools to assess micro- and nanosite mineralogy and
June 10(Tue)	14:10~ 14:30	Halla Hall	O29	[C2.4-1] Mineralogy and Reactivity of Soil	2	AF0749	Markus Grafe	Ecuador	Universidad de las	Oral	Characterisation of carnotite grain and cement boundaries using
		B(3F)		Microsites [C2.4-1] Mineralogy and Reactivity of Soil					Americas Swedish University of		micro XRD and XANES analyses
June 10(Tue)	14:30~ 14:50	B(3F)	O29	Microsites	3	AF1538	Charlotta Tiberg	Sweden	Agricultural Sciences	Oral	Phosphate effects on cadmium(II) sorption to ferrihydrite

		20WCSS_OTAL SCHEdule(VOI.7)										
12-10-11-11-11-11-11-11-11-11-11-11-11-11-	Date	Time	Room		Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
Composition	June 10(Tue)	14:50~ 15:10				4		Priscila Ung	Taiwan			Dissolution of Phosphate-Adsorbed Goethite by Desferrioxamine B
Montroll 15-00 1	June 10(Tue)	15:10~ 15:30		O29		5	AF2219	Dean Hesterberg	USA	NC State University	Oral	
Marcatanty in Padometrics 1.00	June 10(Tue)	15:30~ 15:50		O29		6	AF2240	Deb Jaisi	USA	,	Oral	
Miles 10 10 10 10 10 10 10 1	June 10(Tue)	13:40~ 14:10		O30		1	AF2138	Keith Shepherd	Kenya		Oral	· ·
Discretating in the recoverage Continued Continu	June 10(Tue)	14:10~ 14:30		O30		2	AF1311	Jing Liu	USA		Oral	1.1
	June 10(Tue)	14:30~ 14:50		O30	1	3	AF3050	David Rees	Australia	'	Oral	
Tune 10(Tue) 13:40-14:30 Some to 10(Tue) 14:10-14:30 Some to 1	June 10(Tue)	14:50~ 15:10		O30	1	4	AF0992	A-Xing Zhu	USA		Oral	, , , , , , , , , , , , , , , , , , , ,
	June 10(Tue)	15:10~ 15:30		O30		5	AF1521	Xiong Xiong	USA	University of Florida	Oral	
June 10(Tue) 14:10-14:30 June 10(Tue) 14:30-14:55 June 10(Tue) 14:30-14:55 June 10(Tue) 14:30-14:55 June 10(Tue) 15:00-15:15 June 10(Tue) 15:00-15	June 10(Tue)	13:40~ 14:10		O31	Possibilities for a Finite Resource	1	AF0674	Bruce R. James	USA	-	Oral	
June 10(Tue) 1430-1430 403(4F) 501 Possibilities for a Finite Resource 5 AF308 AESAND THE PRINCIPLE NOT SHARED FOR SHARED SOLUTION 1445-1500 1515 1530 1515	June 10(Tue)	14:10~ 14:30		O31	Possibilities for a Finite Resource	2	AF0581	Kevin Tate			Oral	Climate Change-an Underfoot Perspective
June 10(Tue) 14:95-15:00 10:10 15:00-15:15 15:00 10:10	June 10(Tue)	14:30~ 14:45		O31	Possibilities for a Finite Resource	3	AF0881	Alexandra Toland	Germany		Oral	.,
June 10(Tue) 15:00-15:15 401(4F) June 10(Tue) 15:15-15:30 June 10(Tue)	June 10(Tue)	14:45~ 15:00		O31	Possibilities for a Finite Resource	4	AF0065	<u> </u>	Taiwan		Oral	'
June 10(Tue) 13:40 - 14:10 Room d2(4f) June 10(Tue) 14:10 - 14:30 Room d2(4f) June 10(Tue) 14:10 - 14:30 Room d2(4f) June 10(Tue) 14:10 - 14:30 Room d2(4f) June 10(Tue) 14:30 - 14:50 Room d2(4f) June 10(Tue) 14:30 - 14:50 Room d2(4f) June 10(Tue) 14:30 - 15:30 Room d2(4f) June 10(Tue) 14:50 - 15:10 Room d2(4f) June 10(Tue) 15:10 - 15:30 Room d2(4f) June 10(Tue) 16:50 - 17:10 Room d2(4f) June 10(Tue) 17:30 - 17:50 Room d2(4f) June 10(Tue) 18:50 Room d2(4	June 10(Tue)	15:00~ 15:15		O31	Possibilities for a Finite Resource	5	AF3328		USA	Lily Films	Oral	Seeing Soil
June 10(Tue) 14:30 - 14:50 Room A02(4F) O32 Technogenic, Subaqueous, and I PAP288 Preter Valueventer Africa University Virginia Tech Oral Approach in US Soil Taxonomy Approach In US Soil Tax	June 10(Tue)	15:15~ 15:30		O31	Possibilities for a Finite Resource	6	AF0718	Jock Churchman		University of Adelaide	Oral	The Soil Underfoot: The concept of the book and its realization
June 10(Tue) 14:30- 14:50 A02(4F) O32 Technogenic, Subaqueous, and 2 AF2:34 John Galoriath O54 Aproximate O74 Aproximate O74 Aproximate Aproximate O74 Aproximate Aproximate O74 Aproximate Aproximate O74 Aproximate Aproximate Aproximate O74 Aproximate A	June 10(Tue)	13:40~ 14:10		O32		1	AF2786	Pieter Vandeventer			Oral	Pedogenic processes in anthropogenic mine soils
June 10(Tue) 14:50~ 15:10 Room June 10(Tue) 15:10~ 15:30 Room June 10(Tue) 16:20~ 16:50 Room June 10(Tue) 16:50~ 17:10 Room June 10(Tue) 17:10~ 17:30 Room	June 10(Tue)	14:10~ 14:30		O32	_	2	AF2344	John Galbraith	USA	Virginia Tech	Oral	
June 10(Tue) 15:10~ 15:30 Room June 10(Tue) 15:10~ 15:30 Room Augusta In The World Reference BASE FOR SOIL RESOURCES B.F. June 10(Tue) 16:20~ 16:50 Backrok Hall June 10(Tue) 17:10~ 17:30 Backrok Hall June 10(Tue) 16:20~ 16:50 Backrok Hall June 10(Tue) 16:20~ 16:50 Backrok Hall June 10(Tue) 16:20~ 16:50 Backrok Hall June 10(Tue) 16:20~ 17:10 Backrok Hall June 10(Tue) 16:20~ 18:20 Backrok Hall June 10(Tue) 18:20 June 10(Tue) 18	June 10(Tue)	14:30~ 14:50		O32	_	3	AF1840	Jaroslava Sobocka	Slovakia	-	Oral	
June 10(Tue) 16:20~ 16:50 Baekrok Hall June 10(Tue) 17:10~ 17:30 Baekrok Hall June 10(Tue) 16:50~ 17:10 Baekrok Hall June 10(Tue) 17:10~ 17:30 Baekrok Hall June 10(Tue) 16:50~ 17:10 Baekrok Hall June 10(Tue) 17:10~ 17:30 Baekrok Hall June 10(Tue) 17:10~ 17:30 Baekrok Hall June 10(Tue) 16:50~ 17:10 Baekrok Hall June 10(Tue) 17:10~ 17:30 Baekrok Hall June 10(Tue) 18:50~ 17:10 Baekrok Hall June 10(Tue) 18:50~ 17:30 Baekrok Hall June 10(Tue) 18:50	June 10(Tue)	14:50~ 15:10		O32	Technogenic Subagueous and	4	AF1086	Boris Aparin	Russia	Central Soil Science	Oral	IN THE WORLD REFERENCE BASE FOR SOIL RESOURCES B.F.
June 10(Tue) 16:50~ 17:10 Baekrok Hall June 10(Tue) 17:10~ 17:30 June 10(Tue) 17:10~ 17:30 June 10(Tue) 16:50~ 17:10 June 10(Tue) 17:10~ 17:30 June 10(Tue) 17:1	June 10(Tue)	15:10~ 15:30		O32	Technogenic Subagueous and	_	AF3035	Lulie Melling	Malaysia	· ·	Oral	
June 10(Tue) 17:10~ 17:30 Baekrok Hall A(1F) O33 Health, Food Security, and Human Health 2 AF3334 Gary Pierzyński USA University U	June 10(Tue)	16:20~ 16:50	A(1F)	O33	Health, Food Security, and Human Health		AF2207		USA		Oral	Linking Soil Health to Human Health
June 10(Tue) 17:30~ 17:50 Baekrok Hall June 10(Tue) 16:20~ 16:50 June 10(Tue) 16:50~ 17:10 Baekrok Hall June 10(Tue) 17:30~ 17:50 Baekrok Hall June 10(Tue) 17:30~ 17:30 Baekrok Hall June 10(Tue) 17:30 Baekrok Hall	June 10(Tue)	16:50~ 17:10	A(1F)	O33	Health Food Security and Human Health	2	AF3354	Gary Pierzynski	USA	University	Oral	Linking Soils to Global Food Security
June 10(Tue) 16:20~ 16:50 Backrok Hall June 10(Tue) 16:50~ 17:10 Backrok Hall B(F) O34 [C3.5-2] Techniques to Manage Contaminated Arable Soils Dan Tsang Hong Kong Polytechnic University Polytechnic University Dan Tsang Backrok Hall B(F) Dan Tsang B(F) Dan Tsan	June 10(Tue)	17:10~ 17:30	A(1F)	O33	Health, Food Security, and Human Health		AF3148	Ciro Gardi	Italy	- European	Oral	, ,
June 10(Tue) 16:50~ 17:10 Backrok Hall B(F) B(F) B(F) B(F) B(F) Backrok Hall B(F) Ba	June 10(Tue)	17:30~ 17:50	A(1F)	O33	Health, Food Security, and Human Health	4	AF0481	Sifau Adejumo	_	IBADAN, IBADAN,	Oral	production; a panacea for food security
June 10(1ue) 16:50~ 17:10 B(1F) B(1F) B(1F) B(1F) B(1F) Contaminated Arable Soils Contaminated Arable Soils AF1430 Dan Isang Kong Polytechnic University Chelants and Different Washing Schemes INRA Agrocampus Oral Relevance of soil bioindicators for risk assessment, monitoring	June 10(Tue)	16:20~ 16:50	B(1F)	O34	Contaminated Arable Soils	1	AF0568	Chien-Hui Syu	Haiwan	University	Oral	genotypes grown in As-contaminated paddy soils
Dune (UTDe) 17 10 1 10 10 10 10 10 10 10 10 10 10 10 1	June 10(Tue)	16:50~ 17:10	B(1F)	O34	Contaminated Arable Soils	2	AF1430	Dan Tsang	_	Polytechnic University	Oral	Chelants and Different Washing Schemes
	June 10(Tue)	17:10~ 17:30		O34	-	3	AF2981	Guenola Peres	France		Oral	

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	17:30~ 17:50	Baekrok Hall B(1F)	O34	[C3.5-2] Techniques to Manage Contaminated Arable Soils	4	AF2120	Paula Fernandes	Martinique	CIRAD	Oral	Sequestering a persistent organochlorine with organic fertilizer and organic amendment to increase food safety in Martinique
June 10(Tue)	17:50~ 18:10	Baekrok Hall	O34	[C3.5-2] Techniques to Manage	5	AF0543	Shui Wen Chang	Taiwan	Chaoyang University	Oral	Phytoremediation of Pyrene Contaminated Soils Amended with
June 10(Tue)	16:20~ 16:50	B(1F) Yeongju Hall	O35	Contaminated Arable Soils [DS2] B:Soil Development and Soil	1	AF1887	Chien Susan Trumbore	Germany	of Technology Max-Planck Institute	Oral	Compost and 8-MnO ₂ and Planted with Ryegrass and Soybean Interpreting Soil Organic Matter Cycling from Radiocarbon
		A(1F) Yeongju Hall		Properties and Functions [DS2] B:Soil Development and Soil	2				for Biogeochemisty University of		Measurements in Soils
June 10(Tue)	16:50~ 17:10	A(1F) Yeongju Hall	O35	Properties and Functions [DS2] B:Soil Development and Soil	2	AF0995	Alfred Hartemink	USA	Wisconsin - Madison Dresden University of	Oral	Digital morphometrics and rapid pedology Changes of soil properties during Podzol development in S
June 10(Tue)	17:10~ 17:30	A(1F)	O35	Properties and Functions	3	AF2897	Daniela Sauer	Germany	Technology	Oral	Norway
June 10(Tue)	17:30~ 17:50	Yeongju Hall A(1F)	O35	[DS2] B:Soil Development and Soil Properties and Functions	4	AF2107	Susanne Karoline Woche	Germany	Institute of Soil Science, Leibniz	Oral	X-ray photoelectron spectroscopy (XPS) as a convincing tool to relate changes in wettability to surface chemical composition
June 10(Tue)	17:50~ 18:10	Yeongju Hall A(1F)	O35	[DS2] B:Soil Development and Soil Properties and Functions	5	AF0380	Sebastian K. Pagenkemper	Germany	Institute of Plant Nutrition and Soil	Oral	Soil-LT: Automatic and continuous determination of shrinkage behavior of soils
June 10(Tue)	16:20~ 16:50	Yeongju Hall	O36	[C2.5-3] B: Mechanism Controlling	1	AF1816	Paul Bodelier		Netherlands Institute	Oral	Microbial Diversity and Traits as a modulating factor of
June 10(Tue)	16:50 17:10	B(1F) Yeongju Hall	O36	Greenhouse Gas Emissions from Soils [C2.5-3] B: Mechanism Controlling	2	AF0415	Yahai Lu	ds China	of Ecology (NIOO- China Agricultural	Oral	methane consumption in soils Methanogenic activity under dry wet cycles of rice paddy soil
		B(1F) Yeongju Hall		Greenhouse Gas Emissions from Soils [C2.5-3] B: Mechanism Controlling	2				University of New		
June 10(Tue)	17:10~ 17:30	B(1F)	O36	Greenhouse Gas Emissions from Soils [C2.5-3] B: Mechanism Controlling	3	AF3021	Peter Quin	Australia	England Universidad	Oral	The genesis and transport of N ₂ O in soil
June 10(Tue)	17:30~ 17:50	Yeongju Hall B(1F)	O36	Greenhouse Gas Emissions from Soils	4	AF1843	Raul Zornoza	Spain	Politecnica de	Oral	Efficiency of deficit irrigation to reduce soil CO2 emissions in an agricultural soil
June 10(Tue)	17:50~ 18:10	Yeongju Hall B(1F)	O36	[C2.5-3] B: Mechanism Controlling Greenhouse Gas Emissions from Soils	5	AF1060	Sang Yoon Kim	Netherlan ds	Netherlands Institute of Ecology	Oral	Comparison of Methane Emission Characteristics in Fresh and Composted Cattle Manure Amended Paddy Soil during Rice
June 10(Tue)	16:20~ 16:45	Room 201(2F)	O37	[C1.3-1] Weathering and Soil formation in Response to Environmental Changes	1	AF2070	Curtis Monger	USA	New Mexico State University	Oral	COEVOLUTION OF SOIL GENESIS AND LIFE
June 10(Tue)	16:45~ 17:10	Room 201(2F)	O37	[C1.3-1] Weathering and Soil formation in Response to Environmental Changes	2	AF2069	Jon Chorover	USA	University of Arizona	Oral	Soil biogeochemical processes in the critical zone
June 10(Tue)	17:10~ 17:30	Room 201(2F)	O37	[C1.3-1] Weathering and Soil formation in Response to Environmental Changes	3	AF1463	Irina Kovda	Russia	Institute of Geography	Oral	Shrinking-swelling soils in cryogenic environment
June 10(Tue)	17:30~ 17:50	Room 201(2F)	O37	[C1.3-1] Weathering and Soil formation in Response to Environmental Changes	4	AF2925	Rainer Baritz	Germany	Endoral Institute for	Oral	A new data base for including weathering in landscape evolution modelling
June 10(Tue)	17:50~ 18:10	Room 201(2F)	O37	[C1.3-1] Weathering and Soil formation in Response to Environmental Changes	5	AF2510	Gan-Lin Zhang	China	State Key Laboratory of Soil and	Oral	Weathering and soil formation in responding to changing environment in an alpine region of the Qinghai-Tibet Plateau
June 10(Tue)	16:20~ 16:50	Room	O38	[C3.5-4] Physical Restoration of Soils	1	AF1541	Rainer Horn	Germany	Christian Albrechts	Oral	Soil deformation - How far are physical, chemical and
June 10(Tue)	16:50~ 17:10	202(2F) Room	O38	[C3.5-4] Physical Restoration of Soils	2	AF0381	Asko Simojoki	Finland	University University of Helsinki	Oral	biological processes and soil functions irreversibly affected on Persistent effects of heavy soil compaction on the gas transport
	17:10~ 17:30	202(2F) Room	O38		3	AF2524	Laura Gargiulo	Italy	National Research	Oral	properties of a clay soil Physical restoration of compacted soils: a lab experiment using
		202(2F) Room			,		3	,	Council South Dakota State		rock fragment addition Physical Restoration of Eroded Soils in the Northern Great Plains
June 10(Tue)		202(2F) Room	O38	[C3.5-4] Physical Restoration of Soils	4	AF2260	Tom E. Schumacher	USA	University	Oral	(NA) Temporal variability of soil physical properties under different
June 10(Tue)	17:50~ 18:10	202(2F)	O38	, ,	5	AF0912	Linh Tran Ba	Belgium	Gent University	Oral	land use types of clay soil in the Mekong Delta, Vietnam
June 10(Tue)	16:20~ 16:50	Halla Hall A(3F)	O39	[WG4] New Approaches in Paddy Soil Management for Food Safety and	1	AF0164	Yuan Shen	Taiwan	NCHU	Oral	Identifying yield limiting soil factors with aids of remote sensing and data mining techniques
June 10(Tue)	16:50~ 17:10	Halla Hall A(3F)	O39	[WG4] New Approaches in Paddy Soil Management for Food Safety and	2	AF0820	Huo-Yan Wang	China	Institute of Soil Science, Chinese	Oral	Root-zone Fertilization: A Key and necessary Approach to Improve Fertilizer Use Efficiency and Reduce Non-point Pollution
June 10(Tue)	17:10~ 17:30	Halla Hall A(3F)	O39	[WG4] New Approaches in Paddy Soil	3	AF2473	Weiguo Cheng	Japan		Oral	A novel trial to combine use of Azolla and loach to suppress weed Monochoria vaginalis and increase organically farmed rice
June 10(Tue)	17:30~ 17:50	Helle Hell	O39	[WG4] New Approaches in Paddy Soil Management for Food Safety and	4	AF0271	Mizuhiko Nishida	Japan	NARO Tohoku Agricultural Research	Oral	Decrease in nitrogen fertility of paddy soils induced by paddy rice and upland soybean rotation
	<u>l</u>	11(31)	ı	Imanagement for 1000 safety and	1	1	l .	ı	Myricultural NesealCII		Thee and apiana soybean rotation

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	17:50~ 18:10	Halla Hall A(3F)	O39	[WG4] New Approaches in Paddy Soil Management for Food Safety and	5	AF0501	Dar-Yuan Lee	Taiwan	National Taiwan University		An approach to reduce arsenic uptake and accumulation in paddy rice through the selection of rice genotypes with high
June 10(Tue)	18:10~ 18:30	Halla Hall	O39	[WG4] New Approaches in Paddy Soil	6	AF2279	Surinder Kukal	India	Punjab Agricultural	Oral	Resource Conservation Technologies For Improved Rice Water
June 10(Tue)	16:20-, 16:40	A(3F) Halla Hall	O40	Management for Food Safety and [C1.6] Paleopedology	1	AF1100	Carolyn Olson	USA	University USDA-Office of the	Oral	Productivity in Indo-Gangetic Plains of India Regional Erosion Surfaces of the Midwest USA: Clues to
		B(3F) Halla Hall	040	[C1.0] Paleopedology	1	AFIIUU	Carolyli Olson	USA	Chief Economist M.V. Lomonosov	Oral	Climatic Readjustment from late Pleistocene loess and Pedosedimentary sequences on Moscow (late Saalian) till in the
June 10(Tue)	16:40~ 16:55	B(3F)	O40	[C1.6] Paleopedology	2	AF1770	Alexander Makeev	Russia	Moscow State	Oral	center of the Russian plain
June 10(Tue)	16:55~ 17:10	Halla Hall B(3F)	O40	[C1.6] Paleopedology	3	AF1507	Olga Khokhlova	Russia	Institute of Physicochemical and	Oral	The morphological and chemical properties of paleosols are used as proxies for reconstruction of multidirectional
June 10(Tue)	17:10~ 17:25	Halla Hall B(3F)	O40	[C1.6] Paleopedology	4	AF1171	Zhongxiu Sun	China	Shenyang Agriculture University, China	Oral	The Establishment of Paleosol Reference Profile to Aid Paleoenvironment Reconstruction of Paleosols Derived from
June 10(Tue)	17:25~ 17:40	Halla Hall B(3F)	O40	[C1.6] Paleopedology	5	AF2055	Claudio Colombo	Italy	Molise University	Oral	Magnetic enhancement and iron oxides in a fluvio-lacustrine sediments paleosol sequence in Southern Italy
June 10(Tue)	17:40~ 17:55	Halla Hall B(3F)	O40	[C1.6] Paleopedology	6	AF1209	Boris Jansen		University of	Oral	The applicability of plant biomarkers to reconstruct palaeo-
June 10(Tue)	17:55~ 18:10	Halla Hall	O40	[C1.6] Paleopedology	7	AF1589	Yu-Tuan (doreen)	New	Amsterdam University of Waikato	Oral	environments from plaggic and driftsand deposits A new method for DNA extraction from allophanic soils and
June 10(Tue)		B(3F) Samda	O41	[C4.2-1] Linking forest Management and	1	AF1403	Huang Scott Chang	Zealand Canada	University of Alberta	Oral	paleosols on tephras: insights in the search for ancient DNA Is there a role for forest management to increase carbon
		Hall(3F) Samda		Soil Processes to Ecosystem Productivity [C4.2-1] Linking forest Management and	1				West Virginia		sequestration and ecosystem services?
June 10(Tue)	16:50~ 17:10	Hall(3F)	O41	Soil Processes to Ecosystem Productivity	2	AF2194	Travis Nauman	USA	University	Oral	Forest restoration potential using ecological site descriptions
June 10(Tue)	17:10~ 17:30	Samda Hall(3F)	O41	[C4.2-1] Linking forest Management and Soil Processes to Ecosystem Productivity	3	AF2906	Joyce Monteiro	Brazil	Embrapa	Oral	Carbon stock measurement to evaluate ecosystem service from carbon sequestration
June 10(Tue)	17:30~ 17:50	Samda Hall(3F)	O41	[C4.2-1] Linking forest Management and Soil Processes to Ecosystem Productivity	4	AF0323	Lorna Dawson	United Kingdom	The James Hutton Institute	Oral	Soil Approaches for Intelligence and Evidence in forensic case work
June 10(Tue)	17:50~ 18:10	Samda Hall(3F)	O41	[C4.2-1] Linking forest Management and Soil Processes to Ecosystem Productivity	5	AF1945	Dwi Setyawan	Indonesia	Sriwijaya University	Oral	Soil surface assessment under plantation forest in South Sumatra using Landscape Function Analysis procedure
June 10(Tue)	16:20~ 16:50	Room 401(4F)	O42	[C1.3-2] Volcanic Soils: Distinctive Properties and Management	1	AF1202	Boris Jansen	Netherlan ds	University of Amsterdam	Oral	Carbon stabilization mechanisms in volcanic ash soils in the Ecuadorian Andes
June 10(Tue)	16:50~ 17:10	Room	O42	[C1.3-2] Volcanic Soils: Distinctive	2	AF1456	Rota Wagai	Japan	National Institute for	Oral	Nature of aggregate hierarchy and organo-mineral associations
June 10(Tue)	17:10~ 17:30	401(4F) Room	O42	Properties and Management [C1.3-2] Volcanic Soils: Distinctive	3	AF1448	Markus Anda	Indonesia	Agro-Environmental Indonesian Center for	Oral	in an allophanic Andisol Property changes of Andisols in response to long-term changes
		401(4F) Room		Properties and Management [C1.3-2] Volcanic Soils: Distinctive	3				Agricultural Land		of land use and management in Indonesia P dynamics in volcanic soils - sorption reactions and fertilizer
June 10(Tue)	17:30~ 17:50	401(4F)	O42	Properties and Management	4	AF1421	Masami Nanzyo	Japan	Tohoku University	Oral	management
June 10(Tue)	17:50~ 18:10	Room 401(4F)	O42	[C1.3-2] Volcanic Soils: Distinctive Properties and Management	5	AF2221	Stewart Wilson	USA	University of California-Davis	Oral	Soil Genesis and Mineralogy across a Volcanic Lithosequence in Northern California
June 12(Thu)	10:10~ 10:30	Baekrok Hall A+B(1F)	O43	[IDS5A] Biochar Soil Amendment for Environmental and Agronomic Benefits I	1	AF0077	Jeff Novak	USA	USDA-ARS-CPRC	Oral	USDA-ARS Biochar Research: Targeted Biochar Utilization for Soil Remediation, Climate Change, and Bioenergy Production
June 12(Thu)	10:30~ 10:43	Baekrok Hall A+B(1F)	O43	[IDS5A] Biochar Soil Amendment for Environmental and Agronomic Benefits I	2	AF0143	Nanthi Bolan	Australia	University of South Australia	Oral	Differential effect of biochar on the reduction-induced mobility and bioavailability of arsenate and chromate
June 12(Thu)	10:43~ 10:56	Baekrok Hall A+B(1F)		[IDS5A] Biochar Soil Amendment for Environmental and Agronomic Benefits I	3	AF0617	Genxing Pan	China	Nanjing Agricultural University	Oral	Understanding biochar role in soil quality and functioning: where to go?
June 12(Thu)	10:56~ 11:09	Baekrok Hall A+B(1F)	O43	[IDS5A] Biochar Soil Amendment for Environmental and Agronomic Benefits I	4	AF0463	Sophie Uchimiya	USA	USDA-ARS	Oral	Influence of dissolved organic and inorganic compounds on the function of biochar in amended soils
June 12(Thu)	11:09~ 11:22	Baekrok Hall	O43	[IDS5A] Biochar Soil Amendment for	5	AF0391	Baoshan Xing	USA	University of	Oral	Pyrolytic Temperature Affects Sulfamethoxazole Adsorption by
June 12(Thu)	11:22~ 11:35	A+B(1F) Baekrok Hall	O43	Environmental and Agronomic Benefits I [IDS5A] Biochar Soil Amendment for	6	AF0317	Gerard Cornelissen	Norway	Massachusetts Norwegian	Oral	Plant-derived Biochars Biochar in Zambia, Indonesia, Malaysia and Nepal: Biochar
		A+B(1F) Baekrok Hall		Environmental and Agronomic Benefits I [IDS5A] Biochar Soil Amendment for	7				Geotechnical Inst Louisiana State		Technologies, Mechanistic Field Trials, and Socio-Economic Effect of biochar amendment on greenhouse emissions from rice
June 12(Thu)	11:35~ 11:48	A+B(1F)	1()43	Environmental and Agronomic Benefits I	′	AF2304	Changyoon Jeong	USA	University	Oral	paddy and sugarcane soils in the subtropical region of USA.

Part		Session Session Abstract Name Country Affiliation								Final		
Part 17th	Date	Time	Room		Session	Order		Name	Country	Affiliation		Abstract Title
2011 1216	June 12(Thu)	11:48~ 12:01		O43	1-	8	AF2039	Hailong Wang	China	, ,	Oral	Effect of bamboo and rice straw biochars on the bioavailability
	June 12(Thu)	12:01~ 12:14	Baekrok Hall	O43	[IDS5A] Biochar Soil Amendment for	9	AF2209	Kyoung S	USA	-	Oral	Groundwater pollution potential and greenhouse gas emission
Technology 174-127 April										University of		
Dec 17th Dec Dec 17th Dec Dec 17th Dec Dec 17th Dec 17th Dec 17th Dec 17th Dec 17th	June 12(Thu)	12:14~ 12:27		O43	1-	10	AF0169	Jaehoon Lee	USA	,	Oral	3
Part												
Dec 12(Tho)	June 12(Thu)	12:27~ 12:40		O43	1-	11	AF1356	Ramya Thangarajan	Australia		Oral	
Mare 12(Thu) 1404 - 1100 1406 1406 1406	luna 12/Thu)	10.10 10.40	Voongiu Hall	044	[IDS11] Nanotechnologies in Environmental	1	A 1/2200	Cuidhau Kamannani	LICA		0	Nanoporous Minerals, Nanophases and Nanocomposites in
Self-part 19th 19	June 12(Thu)	10:10~ 10:40	A+B(1F)	044	Soil Science	1	AK3300	Sridnar Komarneni	USA	State University	Orai	
Second S	June 12(Thu)	10:40~ 11:00		O44	_	2	AF2488	Rai Kookana	Australia	CSIRO	Oral	·
March 17	luna 12/Thu)	11.00 11.20	Yeongju Hall	044	[IDS11] Nanotechnologies in Environmental	2	A E0790	lian Viao	China	Nanjing Agricultural	Oral	Al and Fe nanominerals dominate organic carbon preservation in
June 12(Thu) 12(20-12) ARSIE ALL ARS	Julie 12(Thu)	11.00~ 11.20		044	Soil Science	3	AFU/60	Jidii AidO	Cillia	University	Orai	soil
Lune 12(Thu) 12-00 - 12-00 Venergiu Hall Pall Une 12(Thu) 12-00 - 12-00 Venergiu Hall Pall Pall Pall Pall Pall Pall Pall	June 12(Thu)	11:20~ 11:40		O44	Soil Science	4	AF2823	Braulio Archanjo	Brazil		Oral	Nanoscale chemical analyses of biochar from ancient Amazonian anthrosoils
Lune 12(Thu) 12-00 - 12-00 Venergiu Hall Pall Une 12(Thu) 12-00 - 12-00 Venergiu Hall Pall Pall Pall Pall Pall Pall Pall	lune 12(Thu)	11:40~ 12:00	Yeongju Hall	044	[IDS11] Nanotechnologies in Environmental	5	ΔΕ0353	Hanhae Vang	ΠΩ	ARSMaterials Inc	Oral	New biofilter media modified with nano-engineered metal-
A-BLT Scill Science Numerical Monte Numerical	Julie 12(111u)	11.40** 12.00		044	Soil Science	١	AI 0333	<u> </u>	03/4		Orai	
A-9(11)	June 12(Thu)	12:00~ 12:20		O44	[IDS11] Nanotechnologies in Environmental	6	AF2071		Germany		Oral	
June 12(Thu) 12:01-104 A-BGF) Soil Science A-BGF Code C								Narvekar	,	University of Jena		
	June 12(Thu)	12:20~ 12:40		O44		7	AK2490	Jaehwan Kim	Korea	POSTECH	Oral	1 1
June 12(Thu) 10:01-10:04 A-863F) June 12(Thu) 11:00-11:05 A-863F) June 12(Thu) 11:00-11:05 A-863F) June 12(Thu) 11:00-11:05 A-863F) June 12(Thu) 11:00-11:06 A-863F) June 12(Thu) 11:00-11:07 A-863F)			` '		Soil Science					Berlin University of		on plants growth in soil culture; seed germination, chlorophyli,
June 12(Thu) 1:040- 1:100 A-8(3F) June 12(Thu) 1:100- 1:120 June 12(Thu) 1:120- 1:140 June 12(Thu) 1:120-	June 12(Thu)	10:10~ 10:40		O45	[IDS8] Soils, Land Use and Heat	1	AF0685	Gerd Wessolek	Germany	1	Oral	Soils, Land Use and Heat
June 12(Thu) 11:20 - 11:40 Halla Hall AHBI AHBI AHBI AHBI AHBI AHBI AHBI AHBI	June 12(Thu)	10:40~ 11:00		O45	[IDS8] Soils, Land Use and Heat	2	AF1112	Alfred Hartemink	USA	University of	Oral	On the relation between soils and climate
June 12(Thu) 11:20 - 11:40 A=B(SF) A=B	luna 12/Thu)	11.00 11.20	Halla Hall	O4E	IIDC91 Coils Land Use and Heat	2	A E0269	liri Cimunak	LICA	University of	Oral	Numerical Modeling of Vadose Zone Processes using HYDRUS
June 12(Thu) 11:40- 12:00 Halla Hall A+B(3F) A	Julie 12(Thu)	11.00~ 11.20	A+B(3F)	043	[ID36] Solis, Larid Ose and Heat	3	AF0200	Jiri Siiriuriek	USA	California Riverside	Orai	
A+B(F) A	June 12(Thu)	11:20~ 11:40		O45	IIDS81 Soils, Land Use and Heat	4	AF1492	Radka Kodesova		,	Oral	= = = = = = = = = = = = = = = = = = = =
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June 12(Thu) 12:00 - 12:20 Halla Hall A+8(3F)	June 12(Thu)	11:40~ 12:00		O45	[IDS8] Soils, Land Use and Heat	5	AF1248	Katja Richter	Germany		Oral	
June 12(Thu) 12:20~ 12:40 A+B(3F) June 12(Thu) 10:10~ 10:40 Peongiu Hall A+B(1F) June 12(Thu) 11:20~ 11:40 Peongiu Hall A+B(1F) June 12(Thu) 11:20~ 12:20 Peongiu Hall A+B(1F) June 12(Thu) 12:20~ 12:40 Peongiu Hall A+B(1F) June 12(Thu) 13:40~ 14:10 Peongiu Hall Peongiu Hall A+B(1F) June 12(Thu) 12:20~ 12:40 Peongiu Hall Peongiu Hall A+B(1F) June 12(Thu) 12:20~ 12:40 Peongiu Hall Peo								-				inside the lysimeter vessel and the surrounding soil
June 12(Thu) 10:10~ 10:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 12:20 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 12:20 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 Yeongiu Hall A+B(IF) O46 [IDS3] So	June 12(Thu)	12:00~ 12:20	A+B(3F)	O45	[IDS8] Soils, Land Use and Heat	6	AF1643	John Knight	Australia	1	Oral	Long term trends in some Australian soil temperature records
June 12(Thu) 10:10~ 10:40 Yeongju Hall A+B(IF) June 12(Thu) 10:40~ 11:20 Yeongju Hall A+B(IF) June 12(Thu) 11:20~ 11:40 June 12(Thu) 11:20~ 12:20 June 12(Thu) 12:20~ 12:20 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:40~ 12:20 June 12(Thu) 12:40~ 12:20 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:40~ 12:20 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 13:40~ 14:10 June 12(Thu)	June 12(Thu)	12:20~ 12:40		O45	[IDS8] Soils, Land Use and Heat	7	AF2401	Ieyasu Tokumoto	Japan	Tottori University	Oral	1
June 12(Thu) 10:40~ 11:00 A+B(1F) Veongju Hall A+B(1F) June 12(Thu) 11:00~ 11:20 Veongju Hall A+B(1F) June 12(Thu) 11:00~ 11:20 Veongju Hall A+B(1F) June 12(Thu) 11:00~ 11:20 June 12(Thu) 11:00~ 11:20 Veongju Hall A+B(1F) June 12(Thu) 11:20~ 12:00 June 12(Thu) 11:20~ 12:00 June 12(Thu) 11:20~ 12:00 June 12(Thu) 11:20~ 12:00 June 12(Thu) 11:40~ 12:40 June 12(Thu) 11:40~ 12:40 June 12(Thu)										Food and Assisulture		
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June 12(Thu) 11:00~ 11:20 Yeongju Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 Yeongju Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 11:40 O46 A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:20~ 12:00 June 12(Thu) 12:20~ 12:20 Veongju Hall A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 12:20~ 12:40 June 12(Thu) 13:40~ 14:10 Baekrok Hall June 12(Thu) 13:40~	June 12(Thu)	10:40~ 11:00	Yeongju Hall	O46	[IDS3] Soil Information and Food Security	2	AF0750	Budiman Minasny	Australia	The University of	Oral	
June 12(Thu) 11:20~ 11:40 Yeongju Hall A+B(IF) O46 [IDS3] Soil Information and Food Security 4 AF2151 Lulseged Tamene Malawi International Center for Tropical Oral Soil health in Southern Africa and implication on sustainab intensification: how much is the gap? June 12(Thu) 11:40~ 12:00 Yeongju Hall A+B(IF) O46 [IDS3] Soil Information and Food Security 5 AF2877 Mario Guevara Mexico CONABIO Oral Variability of top soil saturated hydraulic conductivity (kfs) affected by mixed land use on two volcanic environments of affected by mixed land use on two volcanic environments of the properties of the prop	June 12(Thu)	11:00~ 11:20	Yeongju Hall	O46	[IDS3] Soil Information and Food Security	3	AF2019	Helaina Black		The James Hutton	Oral	The good, the bad and the ugly - experiences from trying to
June 12(Thu) 11:40~ 12:00 A+B(IF) O46 [IDS3] Soil Information and Food Security June 12(Thu) 11:40~ 12:00 A+B(IF) O46 [IDS3] Soil Information and Food Security AF2131 Luiseged Tainerie Malawi for Tropical intensification: how much is the gap? Variability of top soil saturated hydraulic conductivity (kfs) affected by mixed land use on two volcanic environments of affected by mixed land use o			Voongiu Hall						Kingaom			
June 12(Thu) 12:00~ 12:20 Yeongju Hall June 12(Thu) 12:20~ 12:40 Yeongju Hall A+B(IF) O46 IIDS3] Soil Information and Food Security June 12(Thu) 12:20~ 12:40 AF2351 Keiichi Hayashi Philippines IRRI O46 IIDS3] Soil Information and Food Security June 12(Thu) 13:40~ 14:10 Baekrok Hall June 12(Thu) 13:40~ 14:10 Baekrok Hall June 12(Thu) 13:40~ 14:10 AF0658 Jonathan Hempel June 12(Thu) 13:40~ 14:40 AF0658 Jonathan Hempel June 12(Thu) 13:40~ 14:40 AF0658 Jonathan Hempel June 1	June 12(Thu)	11:20~ 11:40	A+B(1F)	O46	[IDS3] Soil Information and Food Security	4	AF2151	Lulseged Tamene	Malawi		Oral	intensification: how much is the gap?
June 12(Thu) 12:00~ 12:20 A+B(1F) A+B(June 12(Thu)	11:40~ 12:00		O46	[IDS3] Soil Information and Food Security	5	AF2877	Mario Guevara	Mexico	CONABIO	Oral	Variability of top soil saturated hydraulic conductivity (kfs) affected by mixed land use on two volcanic environments in
June 12(Thu) 12:20~ 12:40 Yeongju Hall A+B(1F) O46 [IDS3] Soil Information and Food Security 7 AF2351 Keiichi Hayashi Philippines IRRI Oral WeRise: a farmer-friendly decision support tool for climate change adaptation in rainfed rice areas June 12(Thu) 13:40~ 14:10 Baekrok Hall O47 [WG9]Steps made toward a Universal Soil 1 AF0658 Jonathan Hempel USA US Department of Oral Towards a Universal Soil Classification System	June 12(Thu)	12:00~ 12:20	33	O46	[IDS3] Soil Information and Food Security	6	AF2738		Indonesia		Oral	SPATIAL LANDUSE PLANNING OF SOYBEAN PLANTATION AS ANALYZED BY LAND EVALUATION AND DYNAMIC SYSTEM: A
June 12(Thu) 13:40~ 14:10 Baekrok Hall O47 [WG9]Steps made toward a Universal Soil 1 AF0658 Jonathan Hempel USA US Department of Oral Towards a Universal Soil Classification System	10/7	12.20 12.12		046	MDCOLC III ()	_			DI III	•	0 1	WeRise: a farmer-friendly decision support tool for climate
June 12(Thu) 13:40~ 14:10 Baekrok Hall O47 [WG9]Steps made toward a Universal Soil 1 AF0658 Jonathan Hempel USA US Department of Oral Towards a Universal Soil Classification System	June 12(Thu)	12:20~ 12:40		U46	[LUS3] Soil Information and Food Security	/	AF2351	Kelichi Hayashi	Philippines	IKKI	Oral	,
A(1F) Classification Agriculture	June 12(Thu)	13:40~ 14:10	Baekrok Hall A(1F)	O47	[WG9]Steps made toward a Universal Soil Classification	1	AF0658	Jonathan Hempel	USA	US Department of Agriculture	Oral	Towards a Universal Soil Classification System

							S_Oral Schedule(v	01.7)			
Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	14:10~ 14:30	Baekrok Hall A(1F)	O47	[WG9]Steps made toward a Universal Soil Classification	2	AF2062	Erika Micheli	Hungary	Szent Istvan University	Oral	Approaches to define the elements of a universal soil classification system
June 12(Thu)	14:30~ 14:50	Backrok Hall	O47	[WG9]Steps made toward a Universal Soil Classification	3	AF1128	Curtis Monger	USA	New Mexico State	Oral	TOWARD A GLOBAL SYSTEM OF SOIL HORIZON NOMENCLATURE
June 12(Thu)	14:50~ 15:10	Baekrok Hall A(1F)	O47	[WG9]Steps made toward a Universal Soil Classification	4	AF1078	Sergey Goryachkin	Russia	Institute of	Oral	Cold Soils in Universal Soil Classification
June 12(Thu)	15:10~ 15:30	Baekrok Hall A(1F)	O47	[WG9]Steps made toward a Universal Soil Classification	5	AF0916	Philip Hughes	Australia		Oral	Creating numerical horizon classes for the USA
June 12(Thu)	13:40~ 14:10	Baekrok Hall	O48	[C2.3-2] A: Life in Soils - Distribution and Function of Soil Microorganisms in a	1	AF2110	Claire Chenu	France	AgroParisTech	Oral	The moisture response of soil microorganisms: old topic,
June 12(Thu)	14:10~ 14:30	B(1F) Baekrok Hall	O48	[C2.3-2] A: Life in Soils - Distribution and	2	AF1432	Archana Juyal	United	University of Abertay	Oral	X-ray tomography and in situ detection technique used to
June 12(Thu)	14:30~ 14:50	B(1F) Baekrok Hall	O48	Function of Soil Microorganisms in a [C2.3-2] A: Life in Soils - Distribution and	3	AF1256	Ellen Kandeler	Kingdom Germany	Dundee University of	Oral	quantify spatial distribution of bacteria in soil. The Microbial Landscape in Soils - Biogeography of Soil
June 12(Thu)	14:50~ 15:10	B(1F) Baekrok Hall	O48	Function of Soil Microorganisms in a [C2.3-2] A: Life in Soils - Distribution and	4	AF1035	Vadakattu Gupta	Australia	Hohenheim CSIRO	Oral	Microorganisms at Different Scales Soil habitat structure and crop management influence functional
	15:10~ 15:30	B(1F) Baekrok Hall	O48	Function of Soil Microorganisms in a [C2.3-2] A: Life in Soils - Distribution and	5	AF2796	Nicolas Chemidlin	France	LIMP 13/17	Oral	diversity and activity of soil microbiota Processes and filters shaping soil microbial diversity assessed by
74110 IZ(1114)	15.10	B(1F)	0.10	Function of Soil Microorganisms in a		7 11 27 3 0	Prevost-Boure	. rance	Agroecologie	0.0.	high throughput sequencing
June 12(Thu)	13:40~ 14:10	Yeongju Hall A(1F)	O49	[C2.2-2] A: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	1	AF2258	Edward Gregorich	Canada		Oral	Plant Residue Decay in Diverse Canadian Soils
June 12(Thu)	14:10~ 14:30	Yeongju Hall A(1F)	O49	[C2.2-2] A: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	2	AF0800	Luigi P. D'acqui	Italy	Consiglio Nazionale delle Ricerche - CNR	Oral	Physical protection of soil organic C in soil aggregates: LTA approach
June 12(Thu)	14:30~ 14:50	Yeongju Hall A(1F)	O49	[C2.2-2] A: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	3	AF2526	Georg Lair	Austria	BOKU Vienna	Oral	Impact of time and land use on vertical carbon distribution and soil structure in Chernozems of Central Europe
June 12(Thu)	14:50~ 15:10	Yeongju Hall A(1F)	O49	[C2.2-2] A: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	4	AF1451	Herath Mudiyanselage	Sri Lanka	Uva Wellassa University	Oral	Fate of biochar in chemically- and physically-defined soil organic carbon pools
June 12(Thu)	15:10~ 15:30	Yeongju Hall A(1F)	O49	[C2.2-2] A: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	5	AF0860	Anna Gunina	Germany	Friedrich-Schiller- University of Jena	Oral	δ13C values of aggregates and density fractions reflect carbon fluxes during soil organic matter formation
June 12(Thu)	13:40~ 14:10	Yeongju Hall B(1F)	O50	[C3.3-2] Advances in Rhizosphere Regulation and Soil Nutrient Management	1	AF2294	Jianbo Shen	China	China Agricultural	Oral	RHIZOSPHERE MANAGEMENT IN INTENSIVE CROP PRODUCTION SYSTEMS OF CHINA
June 12(Thu)	14:10~ 14:30	Yeongju Hall B(1F)	O50	[C3.3-2] Advances in Rhizosphere Regulation and Soil Nutrient Management	2	AF1150	Caixian Tang	Australia		Oral	Phosphorus is temporally immobilized in the rhizosphere of crop plants under elevated CO ₂
June 12(Thu)	14:30~ 14:50	Yeongju Hall B(1F)	O50	[C3.3-2] Advances in Rhizosphere Regulation and Soil Nutrient Management	3	AF1265	Holger Kirchmann	Sweden	SLU	Oral	Turnover and losses of phosphorus in Swedish agricultural soils? long-term changes, leaching trends and mitigations measures
June 12(Thu)	14:50~ 15:10	Yeongju Hall B(1F)	O50	[C3.3-2] Advances in Rhizosphere Regulation and Soil Nutrient Management	4	AF0439	Jean-Christophe Lata	France	Bioemco Laboratory - UPMC (Pierre-and-	Oral	25 years of research on Biological Nitrification Inhibition (BNI) by grass and trees from the rhizosphere to landscape in savannas
June 12(Thu)	15:10~ 15:30	Yeongju Hall	O50	[C3.3-2] Advances in Rhizosphere Regulation and Soil Nutrient Management	5	AF0654	Olga Gavrichkova	Italy	Istituto di Biologia	Oral	Mechanisms of fast above-belowground coupling of C cycle: pressure concentration waves vs. direct assimilate transport
June 12(Thu)	13:40~ 14:00	Room	O51	[C3.6-2] Salinity Management when	1	AF2143	Muhammad Saqib	Pakistan	Institute of Soil and	Oral	Acacia species for the rehabilitation and utilization of salt-
June 12(Thu)	14:00~ 14:20	201(2F) Room	O51	Irrigating with Marginal Quality Waters [C3.6-2] Salinity Management when	2	AF1642	John Bennett	Australia	National Centre for	Oral	affected lands and waters Understanding clay mineralogy and net negative charge in
June 12(Thu)	14:20~ 14:40	201(2F) Room	O51	Irrigating with Marginal Quality Waters [C3.6-2] Salinity Management when	3	AF0620	Brigid Mckenna	Australia	Engineering in The University of	Oral	relation to soil specific threshold electrolyte concentrations Theory put into practice: amending water high in alkalinity and
	14:40~ 15:00	201(2F) Room	O51	Irrigating with Marginal Quality Waters [C3.6-2] Salinity Management when	4	AF3031	Frederic Feder	France	Queensland CIRAD	Oral	sodium within the soil profile Impact Study on the Application of Vinasse to Cambisol and
	15:00~ 15:20	Room	O51	Irrigating with Marginal Quality Waters [C3.6-2] Salinity Management when	5						vertic Luvisol in Ethiopia.
-		201(2F)		Irrigating with Marginal Quality Waters							A Hoot Dulco Drobo Arroy for Cubernford Call France-tier
June 12(Thu)	13:40~ 14:10	Room 202(2F)	O52	[C2.1-1] Quantifying Evaporative Fluxes from Terrestrial Surfaces	1	AF2417	Scott Jones	USA	Utah State University	Oral	A Heat Pulse Probe Array for Subsurface Soil Evaporation Estimates
June 12(Thu)	14:10~ 14:30	Room 202(2F)	O52	[C2.1-1] Quantifying Evaporative Fluxes from Terrestrial Surfaces	2	AF1452	Thomas Baumgartl	Australia	The University of Queensland	Oral	Quantifying evaporation from a bare soil surface using an open top chamber

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	14:30~ 14:50	Room 202(2F)	O52	[C2.1-1] Quantifying Evaporative Fluxes from Terrestrial Surfaces	3	AF2589	Abdulaziz Alharbi	Saudi Arabia	Qassim university	Oral	Estimation of soil evaporation by Aerodynamic-Profile method used with various α and β formulations
June 12(Thu)	14:50~ 15:10	Room 202(2F)	O52	[C2.1-1] Quantifying Evaporative Fluxes from Terrestrial Surfaces	4	AF0319	Asim Biswas	Canada	McGill University	Oral	Predicting water retention curve from two point measurement
June 12(Thu)	15:10~ 15:30	Room 202(2F)	O52	[C2.1-1] Quantifying Evaporative Fluxes from Terrestrial Surfaces	5	AF1111	Jianting Zhu	USA	University of Wyoming	Oral	Partitioning of Evaporation and Transpiration in Arid Shrublands
June 12(Thu)	13:40~ 14:10	Halla Hall A(3F)	O53	[C4.4-1] Education and Social Awareness for Soil Science in General Public	1	AF1365	Damien Field	Australia	The University of	Oral	Supply and demand: what Australian soil science students get and what Australian employers of soil scientists want
June 12(Thu)	14:10~ 14:30	Halla Hall A(3F)	O53	[C4.4-1] Education and Social Awareness for Soil Science in General Public	2	AK1249	Yeong-Sang Jung	Korea	Kangwon National	Oral	Soil and soil science education in the compulsory and vocational education through Korean textbooks
June 12(Thu)	14:30~ 14:50	Halla Hall A(3F)	O53	[C4.4-1] Education and Social Awareness for Soil Science in General Public	3	AF1258	David Lindbo	USA	North Carolina State	Oral	Expanding the horizons of soil science to the public
June 12(Thu)	14:50~ 15:10	Halla Hall A(3F)	O53	[C4.4-1] Education and Social Awareness for Soil Science in General Public	4	AF2427	Lynette Abbott	Australia	The University of	Oral	Monitoring Soil Science Program for Schools
June 12(Thu)	15:10~ 15:30	Halla Hall	O53	[C4.4-1] Education and Social Awareness	5	AF3252	Stephan Mantel	Netherlan	ISRIC World Soil	Oral	A global soil monolith collection for education and advocacy on
June 12(Thu)	13:40~ 14:10	A(3F) Halla Hall	O54	for Soil Science in General Public [WG3] Understanding Acid Sulfate Soils:	1	AF0230	Markku Yli-Halla	ds Finland	Information University of	Oral	characteristics of an abandoned peat mining area underlain
June 12(Thu)	14:10~ 14:30	Halla Hall	O54	The Key to Their Proper Management [WG3] Understanding Acid Sulfate Soils:	2	AF2406	Jean-Pierre	France	Helsinki IRD Institute of	Oral	by a sulfidic subsoil Formation of inland saline acid sulfate soils in the Saloum
June 12(Thu)	14:30~ 14:50	Halla Hall	O54	The Key to Their Proper Management [WG3] Understanding Acid Sulfate Soils:	3	AF0080	Montoroi Jusop Shamshuddin	Malaysia	Research for Universiti Putra	Oral	region, Senegal Increasing Rice Production on Soils Developed from Pyritized
June 12(Thu)	14:50~ 15:10	B(3F) Halla Hall	O54	The Key to Their Proper Management [WG3] Understanding Acid Sulfate Soils:	4	AF2452	Crystal Maher	Australia	Malaysia Southern Cross	Oral	Coastal Sediments in the Malay Peninsula Stable sulfur isotopes in acid sulfate soils: baseline studies for SE
	15:10~ 15:30	B(3F) Halla Hall	O54	The Key to Their Proper Management [WG3] Understanding Acid Sulfate Soils:	5	AF2083	Sten Engblom	Finland	University Novia University of	Oral	Australia Subsurface chemigation of acid sulfate soils - a new approach to
	13:40~ 14:10	B(3F) Samda	O55	The Key to Their Proper Management [WG10] Cryosols on a Changing Planet:	1	AF2847	Dmitry Konyushkov		Applied Sciences	Oral	mitigate acid and metal leaching Hot Issues in Cryosol Research
	14:10~ 14:30	Hall(3F) Samda	O55	Properties, Processes, Regimes and [WG10] Cryosols on a Changing Planet:	2	AF2162	Felipe Simas	Brazil	Science Institute	Oral	Characterization, classification and distribution of soils from the
	14:30~ 14:50	Hall(3F) Samda	O55	Properties, Processes, Regimes and [WG10] Cryosols on a Changing Planet:	2	AF2158	Victor Valdayskikh	Russia	Criostera/Universidad	Oral	South Shetlands Archipelago, Antarctica Some results of the soil cover research in the permafrost area
		Hall(3F) Samda		Properties, Processes, Regimes and [WG10] Cryosols on a Changing Planet:	3		,	New	University		(West Siberia) A mechanism for polygon evolution on hill slopes in Taylor
	14:50~ 15:10	Hall(3F) Samda	O55	Properties, Processes, Regimes and [WG10] Cryosols on a Changing Planet:	4	AF1576	Carol Smith	Zealand	Seoul National	Oral	Valley, Antarctica; evidence from OSL dating and Effects of nitrogen addition on soil carbon dynamics in the active
	15:10~ 15:30	Hall(3F)	O55	Properties, Processes, Regimes and [WG7] Agricultural Land Management for	5	AK2337	Minjin Lee	Korea Banglades	University	Oral	layer of an Arctic tundra soil during repeated freeze-thaw cycles Agricultural Land Management for Improving Soil Fertility and
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	Improving Soil Fertility and Irrigation [WG7] Agricultural Land Management for	1		Md. Baktear Hossain	h	Agricultural Research Ministry of	Oral	Irrigation Efficiency Sustainable Use and Management of Organic and Inorganic
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	Improving Soil Fertility and Irrigation	2		Sovuthy Pheav	Cambodia	Agriculture, Forestry	Oral	Fertilizers for Improving Rice Productivity in Cambodia
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	3		Sri Rochayati		and Forestry	Oral	Improving Soil Fertility to Increase Rice Production through Promoting the Integrated Plant Nutrient Management
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	4		Khonepany Dounphady	Laos	and Agriculture	Oral	A Study of Organic and Inorganic Nutrient Input Options for Low Land Rice Cropping in Lao PDR
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	5		Bayarsaikhan Altangerel	Mongolia	of Industry and	Oral	Agriculture Land Management for Improving Soil Fertility and Irrigation Efficiency in Mongolia
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	6		Surendra Prasad Srivastava	Nepal	Nepal Agriculture Research Council	Oral	Water and Nutrient Management Study in Rice-Tomato Cropping System in Nepal
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	7		Florentino Monsalud	Philippines	University of the Philippines Lao Banos	Oral	Agricultural Land Management for Improving Soil Fertility in the Philippines
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	8		Konara Mudiyanselage	Sri Lanka	Ministry of Agriculture	Oral	Agricultural Land Management for Improving Soil Fertility and Irrigation Efficiency in Agro-Well Based Small Holder Farms in Sri
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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for Improving Soil Fertility and Irrigation	9		Bhavana Likhananont	Thailand	Department of Agriculture	Oral	Integrated Use of Fertilizers to Improve Sugarcane Productivity in Thailand
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	[WG7] Agricultural Land Management for	10		Rinh Pham Dinh	Viet nam	Ministry of	Oral	Fertilizer Management for Improving Rice Production and Soil
June 12(Thu)	09:00 - 18:00	401 (4F)	O56	Improving Soil Fertility and Irrigation [WG7] Agricultural Land Management for	11		Yoo-Hak Kim	Korea	Agriculture and Rural National Institute of	Oral	Fertility in Northern Mountainous and Hilly Region of Vietnam Limiting Factors for Improving Soil Fertility in Asian Countries
		Room		Improving Soil Fertility and Irrigation [C1.2-2] Soil Data, Spatial information	1	452206			Agricultural Science,		
June 12(Thu)	13:40~ 14:10	202(2F) Room	O57	Systems and Interpretation Procedures [C1.2-2] Soil Data, Spatial information	1	AF2296	Elisabeth Bui	Australia	CSIRO	Oral	Mapping soil microbial diversity: a first approximation Central-European digital soil database - the e-SOTER
June 12(Thu)	14:10~ 14:30	202(2F)	O57	Systems and Interpretation Procedures	2	AF2869	Endre Dobos	Hungary	,	Oral	methodology
June 12(Thu)	14:30~ 14:50	Room 202(2F)	O57	[C1.2-2] Soil Data, Spatial information Systems and Interpretation Procedures	3	AF1260	Romina Lorenzetti	Italy	Consiglio per la ricerca e la	Oral	Comparing different approaches - data mining, geostatistic, and deterministic pedology - to assess the frequency of WRB
June 12(Thu)	14:50~ 15:10	Room 202(2F)	O57	[C1.2-2] Soil Data, Spatial information Systems and Interpretation Procedures	4	AF2933	Rainer Baritz	Germany	Federal Institute for Geosciences and	Oral	Towards a new international typological data base ? data integration and validation
June 12(Thu)	15:10~ 15:30	Room 202(2F)	O57	[C1.2-2] Soil Data, Spatial information	5	AF2684	Porntip Phontusang	Thailand		Oral	Spatial variability of Electrical Conductivity of salt-affected soils in Northeast Thailand.
	not	202(2F)	O57	Systems and Interpretation Procedures [C1.2-2] Soil Data, Spatial information	6	AF1963	Marta Ottoni	Brazil	Geological Survey of	Oral	Hydrophysical Database for Brazilian Soils: Challenges and
June 12(Thu)	presented	Baekrok Hall	O58	Systems and Interpretation Procedures [WG2] WRB - Lessons Learned from the	1	AF1967	Peter Schad	Germany	Brazil Technische	Oral	Perspectives Presenting the 3rd edition of WRB
		A(1F) Baekrok Hall		Development of the Third Edition 2014 [WG2] WRB - Lessons Learned from the	1				Universitaet		The Application of WRB by the European Commission:
June 12(Thu)	16:40~ 16:55	A(1F) Baekrok Hall	O58	Development of the Third Edition 2014 [WG2] WRB - Lessons Learned from the	2	AF3298	Luca Montanarella	Italy	European Commission Department of	Oral	Experiences and future perspectives
June 12(Thu)	16:55~ 17:10	A(1F)	O58	Development of the Third Edition 2014	3	AF2193	Ben Harms	Australia	Science, IT, Innovation	Oral	WRB and the Australian Soils Experience
June 12(Thu)	17:10~ 17:25	Baekrok Hall A(1F)	O58	[WG2] WRB - Lessons Learned from the Development of the Third Edition 2014	4	AF3292	Lucia Helena Anjos	Brazil	UFRRJ	Oral	A new diagnostic horizon in WRB for anthropic topsoils in Amazonian Dark Earths (South America)
June 12(Thu)	17:25~ 17:40	Baekrok Hall A(1F)	O58	[WG2] WRB - Lessons Learned from the Development of the Third Edition 2014	5	AF3293	Przemyslaw Charzynski	Poland	Nicolaus Copernicus University	Oral	Classification of technogenic soils in WRB in the light of Polish experiences
June 12(Thu)	17:40~ 17:55	Baekrok Hall A(1F)	O58	[WG2] WRB - Lessons Learned from the Development of the Third Edition 2014	6	AF3310	Carlos Omar Cruz Gaistardo	Mexico	Instituto Nacional de Estadistica y	Oral	Conceptual Development of Wrb 2014 and its Impact on the Third Soils Cartography Series in Mexico
June 12(Thu)	17:55~ 18:10	Baekrok Hall	O58	[WG2] WRB - Lessons Learned from the	7	AF1976	Einar Eberhardt	Germany	Federal Institute for	Oral	Software tool for deriving WRB soil names from national soil
June 12(Thu)	16:20-, 16:50	A(1F) Baekrok Hall	O59	Development of the Third Edition 2014 [C2.3-2] B: Life in Soils - Distribution and	1	AF0285	Philip Brookes	China	Geosciences and Zhejiang University	Oral	data ? Potential for further development of WRB The survival strategy of the soil microbial biomass
		B(1F) Baekrok Hall		Function of Soil Microorganisms in a [C2.3-2] B: Life in Soils - Distribution and	1_		<u>'</u>		University of western		Niche specialisation and differentiation of archaeal and bacterial
June 12(Thu)		B(1F) Baekrok Hall	O59	Function of Soil Microorganisms in a [C2.3-2] B: Life in Soils - Distribution and	2	AF2010	Sasha Jenkins	Australia	australia UWA Pohang University of	Oral	ammonia-oxidisers across agricultural soils in Southern Exoenzyme activities across the soil micro-landscape: spatial
June 12(Thu)	17:10~ 17:30	B(1F)	O59	Function of Soil Microorganisms in a	3	AK1998	Haryun Kim	Korea	Science and	Oral	distribution, stoichiometry and ecosystem function
June 12(Thu)	17:30~ 17:50	Baekrok Hall B(1F)	O59	[C2.3-2] B: Life in Soils - Distribution and Function of Soil Microorganisms in a	4	AF2198	Laure Vieuble Gonod	France	AgroParisTech	Oral	Water flow drives small scale biogeography of substrates and soil microorganisms-a microcosm study using 2,4-D as a model
June 12(Thu)	17:50~ 18:10	Baekrok Hall B(1F)	O59	[C2.3-2] B: Life in Soils - Distribution and Function of Soil Microorganisms in a	5	AF2833	Claire Chenu	France	AgroParisTech	Oral	Are microbial habitat conditions or microbial communities the main drivers of soil organic matter decomposition?
June 12(Thu)	16:20~16:50	Yeongju Hall A(1F)	O60	[C2.2-2] B: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	1	AF2056	Siobhan Staunton	France	INRA	Oral	A soil-glomalin map of France: are levels of soil protein related to land use or soil properties?
June 12(Thu)	16:50~ 17:10	Yeongju Hall	O60	[C2.2-2] B: Soil Organic Carbon: Dynamics, Stabilization, and Environmental	2	AF2729	Xudong Zhang	China	Institute of Applied Ecology, Chinese	Oral	How do microbial metabolism and new microbial legacy mediate soil carbon and nitrogen cycling?
June 12(Thu)	17:10~ 17:30	A(1F) Yeongju Hall	O60	[C2.2-2] B: Soil Organic Carbon: Dynamics,	3	AF1301	Zhongkui Luo	Australia	CSIRO Land and	Oral	Uncertainty in modelling of soil organic carbon dynamics caused
June 12(Thu)		A(1F) Yeongju Hall	O60	Stabilization, and Environmental [C2.2-2] B: Soil Organic Carbon: Dynamics,	4	AF1929	Michael Schweigert	Germany	Water Helmholtz Centre for	Oral	by model calibration against variable observational data Investigation of the degradation of 13C-labeled fungal biomass
		A(1F) Yeongju Hall		Stabilization, and Environmental [C2.2-2] B: Soil Organic Carbon: Dynamics,	- -			,	Environmental University of		in soil - fate of carbon in a soil bioreactor system Modern Approaches to the Isolation and Characterisation of Soil
June 12(Thu)	17:50~ 18:10	A(1F)	O60	Stabilization, and Environmental	5	AF1687	Roger Swift	Australia	Queensland	Oral	Humin

	Date	Time	Room	session	Session	Order	Abstract	Name	Country	Affiliation	Final	Abstract Title
Marting Bits Solls			Yeongiu Hall	code	[C3 5-3] Management and Reclamation of		No	Maria Manuela		Universidade de	Type	Capacity of Tamarix africana Poiret to colonize contaminated
Dec 2006 250-200 Noting Sec Solls 2	June 12(Thu)	16:20~ 16:40		O61		1	AF1916		Portugal		Oral	. ,
	June 12(Thu)	16·40~ 16·55	Yeongju Hall	O61	[C3.5-3] Management and Reclamation of	2	ΔΕ0344	Gany Pierzynski	ΙΙςΔ	Kansas State	Oral	Long-Term Effects of Compost Additionsl to Metal Contaminated
Part 1710	June 12(ma)	10.40 10.55	_ ` /	001	,		711 05-1-1	Gury Freizyriski		University	Orai	
June 12(Thoi) 1720 - 1730 1740 1755 1740 1755 1740 1755 1740 1755 1755 1755	June 12(Thu)	16:55~ 17:10	33	O61	_	3	AF1574	Carol Smith		Lincoln University	Oral	
Mining Site Solid Amount Service Amount S			Voongiu Hall		,				Zealand	The University of		
None 12(This) 17-25 - 17-46 None 12(This) 17-25 - 17-46 None 12(This) 17-25 - 17-46 None 12(This) 17-25 - 18-10 None 12(This) 18-1	June 12(Thu)	17:10~ 17:25		O61	_	4	AF1573	Kai Yang	Australia	•	Oral	
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June 12(Thu) 1755 - 1810	June 12(Thu)	17:25~ 17:40		061		5	AF1902	Jose A. Acosta	Spain	of Cartagena	Orai	estimating physicochemical properties of mining wastes
April 12 This	June 12(Thu)	17:40~ 17:55	33	O61		6	AF2105	Vladimir Alekseenko	Russia	•	Oral	
June 12(Thu 1/25 - 1.6.1 Mining Site Solts Mining Site Sol			` /		,					Maritime University		
	June 12(Thu)	17:55~ 18:10		O61	_	7	AF1520	Jinhyeob Kwak	Canada	University of Alberta	Oral	
Internation 1970 2017			- ` ` ` ` ` 						_	Technical University		
Dump 12 (This) 1650- 1710 20(1/27) 2	June 12(Thu)	16:20~ 16:50		O62	_	1	AF0882	Alexandra Toland	Germany	-	Oral	
June 12(Thu) 17:10—17:30 Norm 20(12) The following Special Color of the Various Directions of Scientific and June 12(Thu) 17:50—18:10 Soom 20(12) So	June 12(Thu)	16:50~ 17:10		O62	[C4.4-2] Widening the Soil Science Course	2	ΔΕ0884	lan Honmans	ΙΙςΔ	university of california	Oral	Soil Science Society of America: Advancing Soil Science across
June 12(Thu) 17:30 - 17:50 2012P 042 to the Various Directions of Scientific and pure 12(Thu) 17:50 - 18:10 2012P 062 (C44-2) Windering the Soil Science Couse to the Various Directions of Scientific and pure 12(Thu) 16:50 - 17:50 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 063 C12-11 Pedodiversity and Ecological Services - Bridging Soil Geography and 12(Thu) 17:50 - 18:10 2012P 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbon Flow through Soils 064 C12-13 Minerals as Regulators of Carbo	June 12(ma)	10.50 17.10	<u> </u>	002		_	711 000 1	oun mopmans		davis	Orui	
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June 12(Thu) 16:20 - 16:50 Room Ci21-1] Pedodiversity and Ecological Services - Bridging Soil Geography and	luna 12/Thu)	17.50 10.10	<u> </u>	063		г	A E 2004	Darroll Schulzo	LICA		Oral	, and the second
June 12(Thu) 16:50- 17:10 Room 20/2F) 063 Services -Bridging Soil Geography and Ecological Services -Bridging Soil Geography and Services -Bridging Soil Geography and Ecological Servic	June 12(mu)	17.30~ 18.10	201(2F)	002		3	AF2004	Darreii Schuize	USA	Purdue Offiversity	Orai	
June 12(Thu) 16:50 - 17:10 Services - Bridging Soil Geography and 20(22F) Services	June 12(Thu)	16:20~ 16:50		O63	-	1	AF1138	Peter Wilson	Australia	CSIRO	Oral	
June 12(Thu) 17:0- 17:30 Room 202(ZF) Gos Services -Bridging Soil Geography and 202(ZF) Gos Services -Bridging Soil Geography and Services -Bridgi			<u> </u>									
June 12(Thu) 17:30~ 17:30 Room 202(E) O63 Services-Bridging Soil Geography and Ecological Services-Bridging Soil Geography and	June 12(Thu)	16:50~ 17:10		O63	-	2	AF2965	Jeffrey Herrick	USA	USDA-ARS	Oral	
June 12(Thu) 17:30 - 17:50 Room Gas Services - Bridging Soil Geography and Services - Bridging Soil Geography a			<u> </u>				. =		el .			
June 12(Thu) 17:50~ 18:10 202(2F) June 12(Thu) 16:20~ 16:50 June 12(Thu) 16:50~ 17:10 June 12(Thu) 17:50~ 18:10 The University of Sydney June 12(Thu) 18:50~ 17:50 The University of Sydney June 18:50~ 17:50 The University of Sydney June 18:50 The University of Sydney	June 12(Thu)	1/:10~ 1/:30		O63	-	3	AF0006	Xuelei Zhang	China	Zhengzhou University	Oral	case areas from the developed east and less developed central
June 12(Thu) 17:50~ 18:10 Room 202(2F) Services - Bridging Soil Geography and 17:50~ 18:10 Inversity of 202(2F) Geography and 202(2F	June 12(Thu)	17:30~ 17:50		O63	-	4	AF2875	David Smith	USA	USDA, Natural	Oral	Development of Ecological Site Descriptions in Coordination with
June 12(Thu) 16:20~ 16:50 Halla Hall Agis June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:50~ 17:10 Halla Hall Agis June 12(Thu) 17:30~ 17:50 Halla Hall Agis June 12(Thu) 17:50~ 18:10 June 12(Thu) 18:50~ 17:05 June 18:10 June 18:50~ 17:05 June 18:50 June 18:50 June 18:50~ 17:05 June 18:50 June 18	June 12(ma)	17.50 17.50		003			711 207 3	David Simili			Orai	
June 12(Thu) 16:20~ 16:50 Halla Hall A(3F) Go4 (C2.4-3) Minerals as Regulators of Carbon Flow through Soils 1 AF2118 Peter Nico USA Lawrence Berkeley Laboratory The University of Sydney Sydne	June 12(Thu)	17:50~ 18:10		O63	-	5	AF1484	Geertrui Louwagie	Denmark	· ·	Oral	The state of the s
June 12(Thu) 16:50~ 17:10 June 12(Thu) 16:50~ 17:10 June 12(Thu) 17:10~ 17:30 June 12(Thu) 17:10~ 17:30 June 12(Thu) 17:30~ 17:50 June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:50~ 16:50 June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:50~ 17:05 June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:50~ 17:05 Ju			` ,									
June 12(Thu) 16:50~ 17:10 Halla Hall A(3F)	June 12(Thu)	16:20~ 16:50		O64	_	1	AF2118	Peter Nico	USA	_	Oral	The Instability of Stable Organic Matter Mineral Associations
June 12(Thu) 17:30~ 17:50 Halla Hall A(3F) G64 [C2.4-3] Minerals as Regulators of Carbon Flow through Soils Ferrity Graph Grap	luna 12/Thu)	16.50 17.10		064		2	Λ E1 71 1	Palwant Cinah	Australia	The University of	Oral	Organo-mineral Interactions in contrasting soils under natural
June 12(Thu) 17:30~ 17:50 A(3F) June 12(Thu) 17:50~ 18:10 A(3F) June 12(Thu) 16:20~ 16:50 B(3F) June 12(Thu) 16:50~ 17:05 B(3F) June 12(Thu) 17:50~ 17:05 B(3F) June 12(Thu) 17:50~ 17:05 B(3F) June 12(Thu) 17:50~ 17:05 B(3F) June 12(Thu) 18:50~ 17:05 B(3F)	June 12(IIIu)	10.30~ 17.10	_ ` '	004		2	AF1/11	balwant Singn	Australia	Sydney	Orai	
June 12(Thu) 17:50~ 18:10 16:20~ 16:50 Halla Hall B(3F) June 12(Thu) 17:05~ 17:05 Halla Hall B(3F) June 12(Thu) 17:05~ 17:05 June	June 12(Thu)	17:10~ 17:30		O64	_	3	AF2024	Claudio Colombo	Italy	Molise University	Oral	
June 12(Thu) 17:50~ 18:10 June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:20~ 16:50 June 12(Thu) 16:50~ 17:05 June 12(Thu) 17:50~ 18:10 June 12(Thu) 16:50~ 17:05 June 12(Thu) 17:05~ 17:20 June 12(Thu) 18:10 June 12(Thu)									-	The University of		
June 12(Thu) 17:50~ 18:10	June 12(Thu)	17:30~ 17:50		O64		4	AF0794	Eleanor Hobley	Australia		Oral	
June 12(Thu) 16:20~ 16:50 Halla Hall B(3F) June 12(Thu) 16:50~ 17:05 Halla Hall B(3F) June 12(Thu) 17:05~ 17:20 Halla Hall B(3F) June 12(Thu) 17:05~ 17	10(71)			064	[C2 4-3] Minerals as Regulators of Carbon	-	4.52220		116.4	Oregon State	0 1	
June 12(Thu) 16:50~ 17:05 Halla Hall B/B/F) O65 Environment Safety 1 AF3311 Budiman Minashy Australia Sydney Oral Digital mapping of Soil Change Soil was mapping of Soil Change Soil Monitoring for Mankind and Environment Safety Oral Digital mapping of Soil Change Soil was mapping of Soil was mapp	June 12(Thu)	17:50~ 18:10	A(3F)	O64	Flow through Soils	5	AF3329	Markus Kieber	USA	University	Orai	Fragmentation
June 12(Thu) 16:50~ 17:05 Halla Hall B(3F) O65 [WG1] Soil Monitoring for Mankind and Environment Safety 2 AF2521 Richard Macewan Australia Dept Environment & Primary Industries Primary Industries Primary Industries Oral North Agroforestry Centre (ICRAF) Soil Spectroscopy in the Africa Soil Information Service	June 12(Thu)	16:20~ 16:50		O65		1	AF3311	Budiman Minasny	Australia	The University of	Oral	Digital mapping of Soil Change
June 12(Thu) 16:50~ 17:05 B(3F) B(3F			B(3F)							Sydney		
June 12(Thu) 17:05~ 17:20 Halla Hall B(3F) O65 [WG1] Soil Monitoring for Mankind and Environment Safety Selection (ICRAF) O7al Soil spectroscopy in the Africa Soil Information Service Selection (ICRAF) O7al Soil spectroscopy in the Africa Soil Information Service (ICRAF)	June 12(Thu)	16:50~ 17:05		O65	_	2	AF2521	Richard Macewan	Australia	·	Oral	
Dune 12(1nu) 17:05~ 17:20 B(3F) Environment Safety Environment Safety Odd Soil spectroscopy in the Africa Soil Information Service Centre (ICRAF) Assumulation and distribution patterns of DAUs and trace materials.			المالم المال	-		<u> </u>	-			World Agroforostry		
Uplia Upli DMC11 Sail Manifesian for Maplical and School of Assumulation and distribution natturns of DAUs and trace mate	June 12(Thu)	17:05~ 17:20		O65	_	3	AF2176	Keith Shepherd	Kenya		Oral	Soil spectroscopy in the Africa Soil Information Service
	June 12(Thu)	17:20~ 17:35	Halla Hall	065		4	AF2748	Xiu-Hong Vang	China	School of	Oral	Accumulation and distribution patterns of PAHs and trace metals
Environment Safety 4 Al 2746 Ald-Holly Hally Child Environmental In forest floors	June 12(IIIu)	17.20 17.33	B(3F)	003	Environment Safety	_	/ 11 2 / 40	Ala Florig Falig	Cillia	Environmental	O ai	in forest floors

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	17:35~ 17:50	Halla Hall B(3F)	O65	[WG1] Soil Monitoring for Mankind and Environment Safety	5	AF0406	George Van Zijl	South Africa	University of the Free State	Oral	Functional Digital Soil Mapping: Methods from Southern Africa
June 12(Thu)	17:50~ 18:05	Halla Hall B(3F)	O65	[WG1] Soil Monitoring for Mankind and Environment Safety	6	AF2115	Osvaldo Jose Pereira	Brazil	Universidade de Sao Paulo	Oral	Interpretation of vegetation and topographic features related to soil types in Amazon Forest: Comparison of two watersheds by
June 12(Thu)	16:20~ 16:50	Samda Hall(3F)	O66	[WG12] Unique Contributions of Hydropedology to Integrated Soil and	1	AF0464	Henry Lin	USA	Penn State Univ.	Oral	Towards the Unification of Soil Formation and Soil Functions
June 12(Thu)	16:50~ 17:10	Samda Hall(3F)	O66	[WG12] Unique Contributions of Hydropedology to Integrated Soil and	2	AF1562	Garry Willgoose	Australia	The University of Newcastle	Oral	A view of pedogenesis as the co-evolution and spatial organisation of soils, landforms, vegetation, and hydrology
June 12(Thu)	17:10~ 17:30	Samda	O66	[WG12] Unique Contributions of	3	AF1318	Xiao-Yan Li	China	Beijing Normal	Oral	Hydropedological responses to vegetation degradation and
June 12(Thu)	17:30~ 17:50	Hall(3F) Samda	O66	Hydropedology to Integrated Soil and [WG12] Unique Contributions of	4	AF3019	Fred Kizito	Kenya	University International Institute	Oral	recovery processes in the semiarid region Water balance dynamics in mixed crop-livestock systems of
June 12(Thu)	17:50 ~18:10	Hall(3F) Samda	O66	Hydropedology to Integrated Soil and [WG12] Unique Contributions of	5	AF0815	Deborah De Oliveira	Brazil	of Tropical Agriculture University of Sao	Oral	Northern Ghana: Unraveling the interactions between farm-level THE RELATIONSHIP BETWEEN HISTOSOLS AND RIVER CAPTURES
June 13(Fri)	10:10~ 10:30	Hall(3F) Baekrok Hall	O67	Hydropedology to Integrated Soil and [IDS5B] Biochar Soil Amendment for	1	AF0417	Yakov Kuzyakov	Germany	Paulo University of	Oral	IN THE ATLANTIC PLATEAU PAULISTA, SOUTHEASTERN BRAZIL. Biochar stability in soils: Mechanisms of C sequestration and
June 13(Fri)	10:30~ 10:43	A+B(1F) Baekrok Hall	O67	Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	2	AF1005	Marta Camps	New	Gottingen	Oral	A Classification System for Biochars Applied to Soils
June 13(Fri)	10:43~ 10:56	A+B(1F) Baekrok Hall	O67	Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	2	AF1599	Arbestain Lukas Van Zwieten	Zealand Australia	New South Wales	Oral	Assessing long-term impacts of contrasting biochars on soil
		A+B(1F) Baekrok Hall		Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	3				Department of The University of		functionality and P availability
June 13(Fri)	10:56~ 11:09	A+B(1F) Baekrok Hall	O67	Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	4	AF1708	Balwant Singh	Australia	Sydney	Oral	XPS, NEXAFS and FTIR spectroscopy of aged biochar in soils Aggregate dynamics influenced by biochar addition using 13C
June 13(Fri)	11:09~ 11:22	A+B(1F) Baekrok Hall	O67	Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	5	AK0496	Gayoung Yoo	Korea	Kyung Hee University		natural abundance Impacts of phosphorus type and spatial relation to biochar on
June 13(Fri)	11:22~ 11:35	A+B(1F) Baekrok Hall	O67	Environmental and Agronomic Benefits II [IDS5B] Biochar Soil Amendment for	6	AF2362	Steven Vanek	USA	Cornell University	Oral	bean-mycorrhizal symbioses and crop phosphorus nutrition in a Inhibitory Effects of Biochar on Phenol Oxidase in Agricultural
June 13(Fri)	11:35~ 11:48	A+B(1F)	O67	Environmental and Agronomic Benefits II	7	AK0262	Hojeong Kang	Korea		Oral	Soils
June 13(Fri)	11:48~ 12:01	Baekrok Hall A+B(1F)	O67	[IDS5B] Biochar Soil Amendment for Environmental and Agronomic Benefits II	8	AF0364	Haruo Shindo	Japan	At present. Emeritus Professor of	Oral	Production of charred plants and subsequent their distribution, behavior and function in soils
June 13(Fri)	12:01~ 12:14	Baekrok Hall A+B(1F)	O67	[IDS5B] Biochar Soil Amendment for Environmental and Agronomic Benefits II	9	AF0994	Shih-Hao Jien	Taiwan	National Pingtung University of Science	Oral	Functions of Biochar on Physical Properties and Erosion Potential in a Hardsetting Soil
June 13(Fri)	12:14~ 12:27	Baekrok Hall A+B(1F)	O67	[IDS5B] Biochar Soil Amendment for Environmental and Agronomic Benefits II	10	AF0681	Rai Kookana	Australia	CSIRO	Oral	Biochar Addition to Soils: Implications for the Efficacy of Pesticides
June 13(Fri)	12:27~ 12:40	Baekrok Hall A+B(1F)	O67	[IDS5B] Biochar Soil Amendment for Environmental and Agronomic Benefits II	11	AF0821	Kerrie Burns	Australia	University of Western Australia, The Crucible	Oral	An investigation of soil-biochar aggregates and internal and external surface deposits on biochar particles in a sandy earth
June 13(Fri)	10:10~ 10:40	Yeongju Hall A+B(1F)	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	1	AK3288	Shuijin Hu	USA	North Carolina State University	Oral	Plant-fungal interactions under elevated CO2: impact on soil organic carbon
June 13(Fri)	10:40~ 11:00	Yeongju Hall A+B(1F)	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	2	AF1124	David Myrold	USA	Oregon State University	Oral	Integrating Omics to Understand Soil C Cycling Responses to Precipitation Variation
June 13(Fri)	11:00~ 11:20	Yeongju Hall A+B(1F)	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	3	AF1893	Divyashri Baraniya	Italy	University of Florence	Oral	Raising atmospheric Carbon dioxide : Effect on structure of soil microbial communities and functions related to terrestrial N
June 13(Fri)	11:20~ 11:40	Vaanaiu Hall	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	4	AF2612	Catriona Macdonald	Australia	Hawkesbury Institute for the Environment,	Oral	Interactions and feedbacks between above and below-ground ecosystems under elevated CO2 and elevated temperature
June 13(Fri)	11:40~ 12:00	Voongiu Hall	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	5	AF2923	Yu Gao	China	Shanghai Chunhui	Oral	The Effects of Continuous Cabbage Cropping on Soil Microbial Communities Structure
June 13(Fri)	12:00~ 12:20	V	O68	[IDS6] Soil Microbial Ecology under Stress and Global Climate Change	6	AK3170	Ramasamy Krishnamoorthy	Korea	Chunghuk National	Oral	A polyphasic approach to study arbuscular mycorrhizal fungi activity and community structure changes with respect to soil
June 13(Fri)	12:20~ 12:40	Yeongju Hall	O68	[IDS6] Soil Microbial Ecology under Stress	7	AF1477	Muhammad Usman	Pakistan	University of	Oral	Variation in drought tolerance capability of endophytic bacteria
June 13(Fri)		A+B(1F) Halla Hall	O69	and Global Climate Change [IDS14] From Science to Policy – is the	1	AF3088	Jamshaid Luca Montanarella	Italy	Agriculture, European	Oral	isolated from different tissues of chickpea Sustainable Development Goals: A possible instrument to
		A+B(3F)		Knowledge on Diffuse Pollution by POPs	1	1			Commission		tackle diffuse soil pollution?

						2011033	- Oral Schedule(V	,			
Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 13(Fri)	10:30~ 10:50	Halla Hall A+B(3F)	O69	[IDS14] From Science to Policy – is the Knowledge on Diffuse Pollution by POPs	2	AF0978	Violette Geissen	Netherlan ds	Wageningen University	Oral	Polluted Ground, a ticking time bomb? The Neglected Issue of Diffuse Soil Pollution
June 13(Fri)	10:50~ 11:05	Halla Hall A+B(3F)	O69	[IDS14] From Science to Policy – is the Knowledge on Diffuse Pollution by POPs	3	AF1324	Mohammed Abu Bokor Faruquei		Rangladech	Oral	COMPARATIVE STUDY ON TOXIC METAL CONTAMINATION IN BALU RIVER WATER IN BANGLADESH
June 13(Fri)	11:05~ 11:20	Halla Hall	O69	[IDS14] From Science to Policy – is the	4	AF2764	Joshua Lemonte	USA	University of	Oral	Impact of Sea Level Rise on Contaminant Mobility and Cycling
June 13(Fri)	11:20~ 11:35	A+B(3F) Halla Hall	O69	Knowledge on Diffuse Pollution by POPs [IDS14] From Science to Policy – is the	5	AF2839	Milan Sanka	Czech	Delaware Masaryk University	Oral	Diffuse contamination of forest soils: causes, influencing factors
		A+B(3F) Halla Hall		Knowledge on Diffuse Pollution by POPs [IDS14] From Science to Policy – is the	3			Republic	National Institute of		and effects Risk Management for Semi-Volatile Organic Soil Pollutants in
June 13(Fri)	11:35~ 11:50	A+B(3F) Halla Hall	O69	Knowledge on Diffuse Pollution by POPs [IDS14] From Science to Policy – is the	6	AK3342	Jeong Ki Yoon	Korea Czech	Environmental	Oral	South Korea Adsorption of selected pharmaceuticals in representative soils of
June 13(Fri)	11:50~ 12:05	A+B(3F)	O69	Knowledge on Diffuse Pollution by POPs	7	AF1442	Radka Kodesova	Republic	Life Sciences	Oral	the Czech Republic
June 13(Fri)	12:05~ 12:20	Halla Hall A+B(3F)	O69	[IDS14] From Science to Policy – is the Knowledge on Diffuse Pollution by POPs	8	AF0183	Zhaohui Li	USA	University of Wisconsin - Parkside	Oral	Uptake of Pharmaceuticals by Soil Minerals
June 13(Fri)	10:10~ 10:40	Samda Hall(3F)	O70	[IDS15] Advanced Technology on Soil Remediation in Mined Lands: MIRECO	1	AF3317	Ravi Naidu	Australia	University of South Australia	Oral	Recent Advances in Soil Remediation Technologies with Particular Emphasis on Mined Lands
June 13(Fri)	10:40~ 10:55	Camada	O70	[IDS15] Advanced Technology on Soil Remediation in Mined Lands: MIRECO	2	AF2177	Margarita Eugenia Gutierrez Ruiz	Mexico		Oral	Arsenic fate in a Copper hydro-metallurgic circuit to develop a soil remediation strategy
June 13(Fri)	10:55~ 11:10	Samda Hall(3F)	O70	[IDS15] Advanced Technology on Soil Remediation in Mined Lands: MIRECO	3	AF2052	Saengdao Khaokaew	Thailand	Kasetsart University	Oral	Chemical Properties, Arsenic Distribution and Remediation in Leonardite from Mae Moh Mine, Thailand, for Possible Use as
June 13(Fri)	11:10~ 11:25	Samda Hall(3F)	O70	[IDS15] Advanced Technology on Soil Remediation in Mined Lands: MIRECO	4	AF2051	Jaeyoung Choi	Korea	KIST	Oral	Development of treatement agents synthezied by acid mine drainage sludge (AMDS) for adsorption of As(III) and As(V) in
June 13(Fri)	11:25~ 11:40	Samda	O70	[IDS15] Advanced Technology on Soil	5	AF2724	Yetao Tang	China	Sun Yat-sen	Oral	Limiting factors for ecological remediation of abandoned rare
June 13(Fri)	11:40~ 11:55	Hall(3F) Samda	O70	Remediation in Mined Lands: MIRECO [IDS15] Advanced Technology on Soil	6	AF0691	Mahdi Sadeghi Pour	Iran	University University of Tehran	Oral	earth elements (REEs) mine tailings and a field survey of REEs Production of Poly -hydroxybutyrate by different mixed culture
June 13(Fri)	11:55~ 12:10	Hall(3F) Samda	O70	Remediation in Mined Lands: MIRECO [IDS15] Advanced Technology on Soil	7	AK1681	Marvi Yoon Su Kim	Korea	Mine Reclamation	Oral	in a revised Sequencing Batch Reactor Stabilization of Arsenic and Heavy metals in Contaminated
	12:10~ 12:25	Hall(3F) Samda	O70	Remediation in Mined Lands: MIRECO [IDS15] Advanced Technology on Soil	0	AF2023	Abdourahamane		Corporation(MIRECO) Faculte d'Agronomie -	Oral	Agricultural Soil around the Mine Areas Assessment of trace elements contamination in the gold mine
June 13(Fri)		Hall(3F) Samda		Remediation in Mined Lands: MIRECO [IDS15] Advanced Technology on Soil	8		Tankari Dan-Badjo	Niger	Universite de Niamey University of		soils of Komabangou, Tillaberi, Niger Environmental assessment of coal mine wastes for in-pit disposal
June 13(Fri)	12:25~ 12:40	Hall(3F)	O70	Remediation in Mined Lands: MIRECO	9	AF1870	Jin Hee Park	Australia	Queensland	Oral	of tailings
June 13(Fri)	13:40~ 14:10	A(1F)	O71	[C2.5-1] Advances in Techniques to Investigate Chemical, Physical and	1	AF3277	Jon Chorover	USA	University of Arizona	Oral	Combining advanced analytical methods to assess interfacial change during bioweathering of silicates and sulfides:
June 13(Fri)	14:10~ 14:30	A(1F)	O71	[C2.5-1] Advances in Techniques to Investigate Chemical, Physical and	2	AF2618	Stephan Peth	Germany	University of Kassel	Oral	Non-invasive localization of organic matter in soil aggregates using SR-µCT
June 13(Fri)	14:30~ 14:50	Baekrok Hall A(1F)	O71	[C2.5-1] Advances in Techniques to Investigate Chemical, Physical and	3	AF2075	Amin Garbout	United Kingdom	The University of Notthingham	Oral	Assessment of the effect of the microbiology of the extreme soil surface on hydrological properties revealed by X-ray imaging
June 13(Fri)	14:50~ 15:10	Baekrok Hall A(1F)	O71	[C2.5-1] Advances in Techniques to Investigate Chemical, Physical and	4	AF0665	Antoine Allanore	USA	Massachusetts Institute of	Oral	Microfluidics for Soil Science
June 13(Fri)	15:10~ 15:30	Backrok Hall	O71	[C2.5-1] Advances in Techniques to Investigate Chemical, Physical and	5	AF1464	Zhijun Zhang	China	Collogo of Posourcos	Oral	Zn sorption to biogenic bixbyite-like Mn2O3 produced by Bacillus CUA isolated from soil: XAFS study with constraints on
June 13(Fri)	13:40~ 14:10	Daglerale Hall	O72	[C2.1-3] Hydro-Ecological Observatories and Advances in Soil Measurements and	1		Seyed Kazem Alavipanah	Iran	University of Tehran	Oral	Remote Sensing and Geographic Information Systems and Global Soil Partnership Roles in Soil Monitoring
June 13(Fri)	14:10~ 14:30	Baekrok Hall	O72	[C2.1-3] Hydro-Ecological Observatories	2	AF0153	Abdur Rab	Australia	Victorian Government	Oral	Quantification and visualisation of dairy pasture soil
June 13(Fri)	14:30~ 14:50	B(1F) Baekrok Hall	O72	and Advances in Soil Measurements and [C2.1-3] Hydro-Ecological Observatories	3	AF0924	Zhi Li	China	Department of Northwest A&F	Oral	macroporosity using a computed tomography scanning Quantifying the impacts of land use change on soil water
	14:50~ 15:10	Baekrok Hall	O72	and Advances in Soil Measurements and [C2.1-3] Hydro-Ecological Observatories	4	AF1094	Uwe Schindler	Germany	University	Oral	movement using environmental tracers on the loess tableland of Advanced method for quantifying soil hydrological properties in
June 13(Fri)	15:10~ 15:30	B(1F) Baekrok Hall	072	and Advances in Soil Measurements and [C2.1-3] Hydro-Ecological Observatories	5	AF2400	Scott Jones	USA	Utah State University		the laboratory A Multifunctional Heat Pulse Probe for Soil Physical Property and
3 13(111)		B(1F)	12.2	and Advances in Soil Measurements and	Ĭ	00			2 Isin State Offiversity	J. W.	Process Assessment

Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 13(Fri)	13.40~ 14:10	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	1	AF3365	Olivier Cerdan	France	BRGM	Oral	Continental Present-Day Erosion Rates in a European Context
June 13(Fri)	14:10~ 14:35	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	_	AF0209	Freddy Nachtergaele	Belgium	FAO	Oral	Mapping land degradation at global scale, a reflection
June 13(Fri)	14:35~ 14:50	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	J	AK0968	Ki-Cheol Eom	Korea	Sejong Institute of Data Analysis (SEIDA)	Oral	Agricultural Water Balance in Korea.
June 13(Fri)	14:50~ 15:05	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	4	AF1470	Erik Cammeraat	Netherlan ds	IBED-Earth Surface Science, University of	Oral	Gully expansion in agricultural fields in Andalucia: the role of slope failure and water erosion in relation to land management,
June 13(Fri)	15:05~ 15:20	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	5	AF1630	Peter Zund	Australia	Queensland Government	Oral	Soil erodibility model for the dry tropics of north-eastern Australia
June 13(Fri)	13:40~ 14:10	Yeongju Hall B(1F)	O74	[C3.3-4] A: Soil Management Strategy for Enhancing Crop Yields	1	AF0178	Bijay Singh	India	Punjab Agricultural University	Oral	Are soil nitrogen and organic matter contents declining due to continuous application of nitrogen fertilizers in cereals?
June 13(Fri)	14:10~ 14:30	Yeongju Hall B(1F)	O74	[C3.3-4] A: Soil Management Strategy for Enhancing Crop Yields	2	AF2370	Mahmoud Alimohammadi	Iran	Sugarcane & by products company	Oral	Consider of Non-exchangeable and exchangeable potassium status of soils under sugarcane cultivation in some fields with
June 13(Fri)	14:30~ 14:50	Yeongju Hall B(1F)	O74	[C3.3-4] A: Soil Management Strategy for Enhancing Crop Yields	3	AF2533	Lucian Raus	Romania	University of Agricultural Sciences	Oral	The influence of tillage sistems on soil physical properties and on oil-seed rape yield in central?northern area of Moldavian
June 13(Fri)	14:50~ 15:10	Yeongju Hall B(1F)	O74	[C3.3-4] A: Soil Management Strategy for Enhancing Crop Yields	4	AF2284	Rao Mylavarapu	USA	University of Florida	Oral	Soil nutrient diagnostics using mid-infrared spectroscopy
June 13(Fri)	15:10~ 15:30	Yeongju Hall B(1F)	O74	[C3.3-4] A: Soil Management Strategy for Enhancing Crop Yields	5	AF1007	Maria Villamil	USA	University of Illinois	Oral	Agronomic assessment of cover crops in Illinois
June 13(Fri)	13:45~ 14:05	Room 201(2F)	O75	[C4.5-2] Cultural Perspectives on Soils and Soil Science	1	AF0200	Budiman Minasny	Australia	The University of Sydney	Oral	Gods of Soil
June 13(Fri)	14:05~ 14:25	Room 201(2F)	O75	[C4.5-2] Cultural Perspectives on Soils and Soil Science	2	AK1595	Heejin Lee	Korea	Institute for Archaeology and	Oral	Soil and the development of agricultural systems in South Korea since the Neolithic
June 13(Fri)	14:25~ 14:45	Room 201(2F)	O75	[C4.5-2] Cultural Perspectives on Soils and Soil Science	3	AF0615	Clare Wilson	United Kingdom	University of Stirling	Oral	The Soil Legacies of 18th and 19th C Illicit Scotch Whisky
June 13(Fri)	14:45~ 15:05	Room 201(2F)	O75	[C4.5-2] Cultural Perspectives on Soils and Soil Science	4	AF1126	Beatrice S. Voigt	Germany	Beatrice Voigt Art and Culture Projects &	Oral	The 'Living Soils' Project - Journey into the Earth
June 13(Fri)	15:05~ 15:30	Room 201(2F)	O75	[C4.5-2] Cultural Perspectives on Soils and Soil Science	5	AF3286	Thomas Sauer	USA	USDA-ARS-NLAE	Oral	Developments and Departures in the Philosophy of Soil Science
June 13(Fri)	13:40~ 14:00	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	1	AF1867	Clare Mccann	United Kingdom	Newcastle University	Oral	Release of K from silicate rock powders
June 13(Fri)	14:00~ 14:15	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	2	AF0666	Antoine Allanore	USA	Massachusetts Institute of	Oral	Potassium release from feldspar powders: From structure- property assessment to leaching experiments
June 13(Fri)	14:15~ 14:30	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	3	AF1305	Balwant Singh	Australia	The University of Sydney	Oral	The enigma of potassium availability in Vertisols
June 13(Fri)	14:30~ 14:45	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	4	AF1076	Prakash Nagabovanalli	India	UNIVERSITY OF AGRICULTURAL	Oral	DISSOLUTION AND RELEASE OF SILICON FROM DIATOMACEOUS EARTH AND ITS EFFECT ON RICE IN ACIDIC,
June 13(Fri)	14:45~ 15:00	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	3	AF1947	Jean Pierre Tchouankoue	Cameroon	University of yaounde I	Oral	FERTILIZING FERRALITIC SOILS IN CAMEROON USING BASALT POWDER FROM THE CAMEROON VOLCANIC LINE: AN
June 13(Fri)	15:00~ 15:15	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	o .	AF0445	Bruno Lanson	France	Univ. Grenoble - CNRS	Oral	Influence of Cropping Practices on Clay Mineralogy: Insights from the Morrow Plots experimental fields
June 13(Fri)	15:15~ 15:30	Room 202(2F)	O76	[C2.4-2] Roles of Minerals as Suppliers and Regulators of Plant Nutrients	7	AF2021	Farhad Khormali	Iran	Gorgan University of Agricultural Sciences	Oral	Weathering of palygorskite in the rhizosphere of rapeseed
June 13(Fri)	13:40~ 14:10	Halla Hall A(3F)	O77	[C2.2-3] A: Behavior and Fate of Pollutants Entering the Soil Environment	1	AF0146	Nanthi Bolan	Australia	University of South Australia	Oral	Dissolved organic matter induces the mobilization of arsenic in soil.
June 13(Fri)	14:10~ 14:30	Halla Hall A(3F)	O77	[C2.2-3] A: Behavior and Fate of Pollutants Entering the Soil Environment	2	AF0410	Stephen Anderson	USA	University of Missouri	Oral	Volatilization Processes of Diesel Oil from Selected Soils
June 13(Fri)	14:30~ 14:50	Halla Hall A(3F)	077	[C2.2-3] A: Behavior and Fate of Pollutants Entering the Soil Environment	3	AF0624	Brett Robinson	New Zealand	Lincoln University	Oral	Lithium, an emerging environmental contaminant, is mobile in the soil ? plant system
June 13(Fri)	14:50~ 15:10	Halla Hall A(3F)	077	[C2.2-3] A: Behavior and Fate of Pollutants Entering the Soil Environment	4	AF1339	Yan He	China	Zhejiang University, China	Oral	Quantifying the effect of interactions between soil minerals and organic matter on butachlor sorption

Date	Time	Room	session	Session	Order	Abstract	Name	Country	Affiliation	Final	Abstract Title
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June 13(Fri)	15:10~ 15:30	Halla Hall A(3F)	O77	[C2.2-3] A: Behavior and Fate of Pollutants	5	AF1486	Matthias Kaestner	Germany	Helmholz-Centre for	Oral	Classification and modelling of non-extractable residue (NER)
		Halla Hall		Entering the Soil Environment [WG5] Mitigating Greenhouse Gas				Dhilinnine	Environmental International Rice		formation from xenobiotics in soil - a synthesis Considering Stakeholder Perceptions and Institutional
June 13(Fri)	13:40~ 14:10	B(3F)	O78	Emissions from Rice Paddy Soils	1	AF1785	Reiner Wassmann	s illippine	Research Institute	Oral	Settings for Mitigation Projects in Rice Production
		Halla Hall		[WG5] Mitigating Greenhouse Gas	_	. =			Institute of Soil		On-going research activities to mitigate greenhouse gas
June 13(Fri)	14:10~ 14:30	B(3F)	O78	Emissions from Rice Paddy Soils	2	AF2287	Xiaoyuan Yan	China	Science, Chinese	Oral	emission from paddy fields in China
June 13(Fri)	14:30~ 14:50	Halla Hall	O78	[WG5] Mitigating Greenhouse Gas	2	AF1858	Yutaka Shiratori	lanan	Niigata Agricultural	Oral	Effectiveness of surface drainage during fallow seasons on
Julie 13(FII)	14.50~ 14.50	B(3F)	076	Emissions from Rice Paddy Soils	5	AF1030	Tulaka Sililalori	Japan	Research Institute	Orai	mitigating methane emissions from poorly-drained paddy fields
June 13(Fri)	14:50~ 15:10	Halla Hall	O78	[WG5] Mitigating Greenhouse Gas	4	AF1897	Dr. M.rafiqul Islam	Banglades	Bangladesh	Oral	Nitrogen and Water Management Practices for Sustainable Rice
		B(3F)		Emissions from Rice Paddy Soils				h	Agricultural University,		Production and Reducing Green House Gas Emission
June 13(Fri)	15:10~ 15:30	Halla Hall	O78	[WG5] Mitigating Greenhouse Gas	5	AF3114	Magda Lima	Brazil	Brazilian Corporation	Oral	Preliminary studies on methane mitigation in rice production
		B(3F) Samda		Emissions from Rice Paddy Soils [C2.3-3] Microbial Biodiversity and					for Agriculture Universidad de La		systems in Santa Catarina, Brazil Bacterial community structures in rhizosphere microsites of
June 13(Fri)	13:40~ 14:05	Hall(3F)	O79	Ecosystem Functions in Volcanic Soils	1	AF1031	Lorena Lagos	Chile	Frontera	Oral	Lolium perenne var. Nui grown in Chilean Andisol as revealed
		Samda		[C2.3-3] Microbial Biodiversity and					Louisiana State		Biogeochemical, cultivation and molecular ecological analyses of
June 13(Fri)	14:05~ 14:30	Hall(3F)	O79	Ecosystem Functions in Volcanic Soils	2	AF3307	Gary M. King	USA	University	Oral	geothermally-heated soils on Kilauea Volcano, Hawaii
June 13(Fri)	14:30~ 14:45	Samda	O79	[C2.3-3] Microbial Biodiversity and	2	AF0961	Chihiro Matsuoka	lanan	Tohoku University	Oral	Temperature dependency of soil nitrogen mineralization in an
Julie 13(FII)	14.50~ 14.45	Hall(3F)	079	Ecosystem Functions in Volcanic Soils	3	AF0901	CHIHITO WIALSUORA	Japan	Torroku Orriversity	Olai	Andosol is affected by phosphate availability
June 13(Fri)	14:45~ 15:00	Samda	O79	[C2.3-3] Microbial Biodiversity and	4	AF2412	Flavia Pinzari	Italy	Consiglio per la	Oral	Fungal translocation of microelements during Fagus and Quercus
		Hall(3F)		Ecosystem Functions in Volcanic Soils					Ricerca e la		leaf litter decomposition in a volcanic soil ecosystem
June 13(Fri)	15:00~ 15:15	Samda	O79	[C2.3-3] Microbial Biodiversity and	5	AF2495	Rosario Napoli	Italy	Agriculture Research	Oral	Unravelling the influence of plant cover and microbial diversity
		Hall(3F) Samda		Ecosystem Functions in Volcanic Soils [C2.3-3] Microbial Biodiversity and					Council - Research		on ecosystem function of Melanic Andosols Early microbial succession in recent unvegetated volcanic
June 13(Fri)	15:15~ 15:30	Hall(3F)	O79	Ecosystem Functions in Volcanic Soils	6	AF2453	Hiroyuki Ohta	Japan	Ibaraki University	Oral	deposits of Miyake-jima Island, Japan
		Room		[C3.3-3] Ecological Significance of Soil	_			Switzerlan			Oxygen isotopes for unravelling phosphorus transformations
June 13(Fri)	13:40~ 14:10	401(4F)	O80	Organic Phosphorus	1	AF0332	Emmanuel Frossard	d	ETH Zurich	Oral	in the soil/plant system: a review
June 13(Fri)	14:10~ 14:30	Room	O80	[C3.3-3] Ecological Significance of Soil	2	AF1837	Kittima Waithaisong	France	INRA	Oral	N-fixing tree species (Acacia mangium) introduced in Eucalyptus
Julie 13(111)	14.10~ 14.50	401(4F)	000	Organic Phosphorus	2	Al 1037	Kittiilia waitiiaisorig	Traffice		Olai	forest modify soil organic P and low molecular weight organic
June 13(Fri)	14:30~ 14:50	Room	O80	[C3.3-3] Ecological Significance of Soil	3	AF1656	Melinda Moata	Australia	The University of	Oral	Understanding organic phosphorus speciation in agricultural
,		401(4F)		Organic Phosphorus					Adelaide, South		soils: Correlation between P types in relation to carbon (C),
June 13(Fri)	14:50~ 15:10	Room 401(4F)	O80	[C3.3-3] Ecological Significance of Soil	4	AF2908	Tandra Fraser	Canada	University of Guelph	Oral	Abundance and diversity of phoD bacterial communities as influenced by long-term agricultural management
		Room		Organic Phosphorus [C3.3-3] Ecological Significance of Soil					School of Agriculture,		The accumulation of inorganic and organic P forms in fertilized
June 13(Fri)	15:10~ 15:30	401(4F)	O80	Organic Phosphorus	5	AF2421	Timothy Mclaren	Australia	Food and Wine, The	Oral	pasture soils
		Room		[DS1] Micromorphological Answers to	_		Astrid Kirsten	_			Tracing palaeo-environmental and land-use changes in
June 13(Fri)	13:40~ 14:10	402(4F)	O81	Palaeopedological and Polypedogenetic	1	AF0844	Roepke	Germany	Goethe University	Oral	polygenetic soils of the Alpine Forelands (Germany) and the
June 13(Fri)	14:10~ 14:30	Room	O81	[DS1] Micromorphological Answers to	2	AK1591	Heejin Lee	Korea	Institute for	Oral	Paleohydrology and ancient and historical paddysol
Julie 15(111)	14.10** 14.50	402(4F)	001	Palaeopedological and Polypedogenetic		AKIJJI	ricejiii Lee	Korea	Archaeology and	Orai	
June 13(Fri)	14:30~ 14:50	Room	O81	[DS1] Micromorphological Answers to	3	AF1070	Przemyslaw	Poland	Nicolaus Copernicus	Oral	Soil sequences in the young morainic landscapes of North-
		402(4F)		Palaeopedological and Polypedogenetic			Charzynski		University		Eastern Poland.
June 13(Fri)	14:50~ 15:10	Room 402(4F)	O81	[DS1] Micromorphological Answers to Palaeopedological and Polypedogenetic	4	AF2769	Elena Skvortsova	Russia	V.V. Dokuchaev Soil Science Institute	Oral	Microtomographic Studies of Loamy Soils: Problems and
		Room		[DS1] Micromorphological Answers to							Prospects
June 13(Fri)	15:10~ 15:30	402(4F)	O81	Palaeopedological and Polypedogenetic	5	AF0361	Sophie Leguedois	France	Inra	Oral	Modelling pedogenesis in the Anthropocene
12/5 3	16 20 16 40	Baekrok Hall	002	[WG13] Progress in Digital Soil Mapping	_	450017		1164	US Department of	0 1	CLI IC THA STELLY AND THE LAW OF THE
June 13(Fri)	16:20~ 16:40	A(1F)	O82	and GlobalSoilMap	1	AF0817	Jonathan Hempel	USA	Agriculture	Oral	GlobalSoilMap?The History, Vision and Way forward
June 13(Fri)	16:40~ 16:50	Baekrok Hall	O82	[WG13] Progress in Digital Soil Mapping	2	AF0324	Brendan Malone	Australia	The University of	Oral	Model averaging for combining disaggregated analogue soil
June 13(111)		A(1F)	302	and GlobalSoilMap	Ĺ	. 11 032-7	5. STIGGT MIGHT	astrana	Sydney	5101	maps with those from scorpan kriging: Experience from the
June 13(Fri)	16:50~ 17:00	Baekrok Hall	O82	[WG13] Progress in Digital Soil Mapping	3	AF1659	Nathan Odgers	Australia	The University of	Oral	Spatial disaggregation using random toposequences
- ,		A(1F)	-	and GlobalSoilMap			- 9		Sydney		
June 13(Fri)	17:00~ 17:10	Baekrok Hall	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	4	AF0715	Budiman Minasny	Australia	The University of	Oral	Pedogeomorphometry, integrating empirical and mechanistic models for better prediction of soil over space and time
	<u> </u>	A(1F)	<u> </u>	Janu Giobalsolliviap			<u>l</u>	<u> </u>	Sydney	<u> </u>	prioders for better prediction of soil over space and time

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Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 13(Fri)	17:10~ 17:20	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	5	AF2087	Sabine Grunwald	USA	University of Florida	Oral	Modelling of Soil Carbon Variability and Trajectories across the Conterminous U.S.
June 13(Fri)	17:20~ 17:30	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	6	AF2064	Matt Aitkenhead	United Kingdom	The James Hutton Institute	Oral	Mapping the functionality of soils in Scotland using a neural network-based digital soil mapping approach
June 13(Fri)	17:30~ 17:40	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	7	AF0751	Stephen Akpa	Australia	The University of Sydney	Oral	Operational Digital Soil Mapping at National Scale: Application of Random Forest to Spatial Prediction of Soil Particle-Size
June 13(Fri)	17:40~ 17:50	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	8	AK2271	Jongsung Kim	Korea	University of Florida	Oral	Evaluating total carbon stocks using satellite images in a subtropical wetland:the Everglades, Florida, U.S.
June 13(Fri)	17:50~ 18:00	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	9	AF1411	Søren M. Kristiansen	Denmark	Aarhus University	Oral	Spatial distribution of soil organic carbon in southern Greenland assessed following the Globalsoilmap.net specifications
June 13(Fri)	11X.00~ 1X.10	Baekrok Hall A(1F)	O82	[WG13] Progress in Digital Soil Mapping and GlobalSoilMap	10	AF1045	Wei Huangwei	China	Huazhong Agricultural University	Oral	Application of spatial simulated annealing method on a soil sampling scheme in the road surrounding region
June 13(Fri)	16:20~ 16:50	Baekrok Hall B(1F)	O83	[WG11] Soil Information Exchange Standards and Systems	1	AF0830	Peter Wilson	Australia	CSIRO	Oral	Developing international soil information exchange standards
June 13(Fri)	16:50~ 17:10	Baekrok Hall B(1F)	O83	[WG11] Soil Information Exchange Standards and Systems	2	AF2034	Einar Eberhardt	Germany	Federal Institute for Geosciences and	Oral	ISO and INSPIRE for digital soil data exchange ? extensions, improvements and potential feedbacks between similar
June 13(Fri)	17:10~ 17:30	Baekrok Hall B(1F)	O83	[WG11] Soil Information Exchange Standards and Systems	3	AF2020	Panos Panagos	Italy	EUROPEAN COMMISSION, Joint	Oral	European Soil Data Centre: A spatial data infrastructure for research and policy making in Europe
June 13(Fri)	17:30~ 17:50	Baekrok Hall B(1F)	O83	[WG11] Soil Information Exchange Standards and Systems	4	AF2916	Rainer Baritz	Germany	Federal Institute for Geosciences and	Oral	Best practice guidelines for soil data harmonization
June 13(Fri)	17:50~ 18:10	Baekrok Hall B(1F)	O83	[WG11] Soil Information Exchange Standards and Systems	5	AF1385	Yanfeng Shu	Australia		Oral	Towards an Ontology-based Soil Information System
June 13(Fri)	16:20~ 16:40	Yeongju Hall A(1F)	O84	[C3.2-1] B: Soil Erosion and Degradation on Agriculture Land	1	AF2081	Panos Panagos	Italy	EUROPEAN COMMISSION, Joint	Oral	Soil Erosion at European level: A step forward data harmonization and collection with the contribution of a
June 13(Fri)	16:40~ 16:55	Yeongju Hall A(1F)	O84	[C3.2-1] B: Soil Erosion and Degradation on Agriculture Land	2	AF0711	Roger Mclenaghen	New Zealand	Lincoln University	Oral	Natural regeneration of soil physical conditions following the establishment of permanent pasture on a structurally degraded
June 13(Fri)	16:55~ 17:10	Yeongju Hall A(1F)	O84	[C3.2-1] B: Soil Erosion and Degradation on Agriculture Land	3	AF0054	Daljit Singh Karam Singh	Malaysia	Faculty of Agriculture, Universiti Putra	Oral	Impact of enrichment planting activity on soil physico-chemical properties of degraded forestland
June 13(Fri)	17:10~ 17:25	Yeongju Hall A(1F)	O84	[C3.2-1] B: Soil Erosion and Degradation on Agriculture Land	4	AF0046	Moustafa Elrashidi	USA	USDA-NRCS	Oral	Application of Soil Survey to Assess Non-Point Source of Elements Contamination to Surface Water in Agriculture
June 13(Fri)	17:25~ 17:40	Yeongju Hall A(1F)	O84	[C3.2-1] B: Soil Erosion and Degradation on Agriculture Land	5	AF1273	Edoardo Costantini	Italy	Consiglio per la ricerca e la	Oral	The soil erosion risk map of the Sicilian region (1:250,000 scale)
June 13(Fri)	17:40~ 17:55	Yeongju Hall A(1F)	O73	[C3.2-1] A: Soil Erosion and Degradation on Agriculture Land	6	AF0384	Sophie Leguedois	France	Inra	Oral	A sound measurement of splash detachment rates for erosion and eluviation modelling
June 13(Fri)	16:20~ 16:50	Yeongju Hall B(1F)	O85	[C3.3-4] B: Soil Management Strategy for Enhancing Crop Yields	1	AF0906	Min Zhang	China	Shandong Agricultural	Oral	Industrialization Progress and Application of Slow & Controlled Release Fertilizers in China
June 13(Fri)	16:50~ 17:10	Yeongju Hall B(1F)	O85	[C3.3-4] B: Soil Management Strategy for Enhancing Crop Yields	2	AF0309	Floria Bertsch	Costa Rica	University of Costa Rica	Oral	UTILITY OF SOIL ANALYSIS DATABASE OF ROUTINE LABORATORY TO MONITOR AND DESCRIBE THE EVOLUTION OF
June 13(Fri)	17:10~ 17:30	Yeongju Hall B(1F)	O85	[C3.3-4] B: Soil Management Strategy for Enhancing Crop Yields	3	AF1030	Julio Alegre	Peru	Universidad Nacional Agraria La Molina	Oral	CHANGES IN SOIL FERTILITY UNDER SLASH AND BURN SYSTEMS WITH DIFFERENT LAND USE SYSTEMS IN THE
June 13(Fri)	17:30~ 17:50	Yeongju Hall B(1F)	O85	[C3.3-4] B: Soil Management Strategy for Enhancing Crop Yields	4	AF2817	Andrews Opoku	Ghana	KNUST	Oral	Assessment of nutrient flows and balances in smallholder cereal- legume-livestock farms in the dry savannas of West Africa
June 13(Fri)	17:50~ 18:10	Yeongju Hall B(1F)	O85	IC3 3-41 B. Soil Management Strategy for	5	AF0383	Naoki Moritsuka	Japan	Kyoto University	Oral	Decadal changes of spatial distributions of soil properties in a Japanese paddy field and their relationship with field
June 13(Fri)	16:20~ 16:50	Room 201(2F)	O86	[C3.4-1] Design and Performance of Cover Systems for Landfills and Contaminated	1	AF1065	Steffen Beck- Broichsitter	Germany	Christian-Albrechts- Universitat zu Kiel	Oral	Water balance and soil physical properties of a temporary landfill cover in Northwest Germany
June 13(Fri)	16:50~ 17:10	Room 201(2F)	O86	[C3.4-1] Design and Performance of Cover Systems for Landfills and Contaminated	2	AF1401	Steven J. Pye	United Kingdom	indopondont	Oral	Cover Systems and Contaminated Land Remediation Strategies in England.
June 13(Fri)	17:10~ 17:30	Room 201(2F)	O86	[C3.4-1] Design and Performance of Cover Systems for Landfills and Contaminated	3	AF1474	Thomas Baumgartl	Australia	The University of	Oral	Managing water flow through rock covers on mine sites
June 13(Fri)	17:30~ 17:50	Room 201(2F)	O86	[C3.4-1] Design and Performance of Cover Systems for Landfills and Contaminated	4	AF2106	Witold Stepniewski	Poland	Lublin University of	Oral	Hydrophysical properties of clays likely to be used for landfill liner construction
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June 13(Fri) 17:50~ 18:10 Room 202(2F) Room	ng sulfur oxidizing e and benzene
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June 13(Fri) 17:10~ 17:30 Halla Hall A(3F) A(3F) A(3F) A(3F) Behavior and Fate of Pollutants Entering the Soil Environment A(3F) A(3	e and benzene
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June 13(Fri) 17:10~ 17:30 Samda Hall(3F) O90 IC1.4-2] The Progress in Development and Structure of Harmonization of Soil Classifications AF2116 Erika Micheli Hungary Oral Hungarian Soil Sclassification System	ne modernized
June 13(Fri) 17:30~ 17:50 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Harmonization of Soil Classifications 4 AF1250 Micheal Golden USA Resources Oral Developing a Simplified Guide To Soil Taxonor	ıy
June 13(Fri) 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Fig. 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Fig. 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Fig. 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Fig. 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Fig. 17:50~ 18:10 Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Samda Hall(3F) O90 [C1.4-2] The Progress in Development and Hall(3F) Samda Hall(3F	and Yellow Soil on
June 13(Fri) 16:20~ 16:40 Room 401(4F) O91 [DS5] Soil Health: Key to Food Security 1 AF3283 Ming H. Wong Kong Institute of Education of Education Oral Reference to Food Contaminants	n Special
June 13(Fri) 16:40~ 16:53 Room 401(4F) O91 [DS5] Soil Health: Key to Food Security 2 AF0465 Zhenli He USA University of Florida Oral Heavy metal contamination of soils: A global of security	ŀ
June 13(Fri) 16:53~ 17:06 Room 401(4F) O91 [DS5] Soil Health: Key to Food Security 3 AF2217 Charles William Rice USA Kansas State University Oral Soil at the Nexus of Food Security, Climate, and Charles William Rice USA University	nallenge to food
June 13(Fri) 17:06~ 17:19 Room 401(4F) O91 [DS5] Soil Health: Key to Food Security 4 AF0786 Damien Field Australia The University of Sydney Oral ENVIRONMENTAL CHALLENGES	
June 13(Fri) 17:19~ 17:32 Room 401(4F) O91 [DS5] Soil Health: Key to Food Security 5 AF2911 Xiao-E Yang China Zhejiang University Oral MOVEMENT OF HEAVY METALS FROM SOIL TO CHAIN AND RISK ASSESSMENT	d Sustainability

	Date	Time	Room	session code	Session	Order	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
lu.	no 13/Eri)	17:32~ 17:45	Room	O91	[DS5] Soil Health: Key to Food Security	6	AF0215	Cherukumalli	India	Central Research	Oral	Improving Soil Productivity in Dryland Agroecosystems of India
Ju	13(111)	17.32~ 17.43	401(4F)	031	[D33] 3011 Fleatiff. Key to 1000 Security	U	AI 0213	Srinivasarao	Iliula	Institute for Dryland	Orai	by Using Organic Amendments
1	no 13/Eri)	17:45~ 17:58	Room	O91	[DS5] Soil Health: Key to Food Security	7	AF0208	Rajasekar	Australia	University of South	Oral	PHOSPHORUS RECOVERY AND REUSE FROM WASTE STREAMS
Ju	13(111)	17.45~ 17.56	401(4F)	091	[D33] 3011 Health. Key to 1000 Security	,	AI 0200	Karunanithi	Australia	Australia	Olai	FIIOSFIIOROS RECOVERT AND REOSE TROM WASTE STREAMS
1	ne 13(Fri)	17:58~ 18:10	Room	O91	[DS5] Soil Health: Key to Food Security	0	AF0179	Pandi Zdruli	I+alv	CIHEAM	Oral	EXPO2015 Milan and Feeding Knowledge programme: the nexus
Ju	ille 13(FII)	17.36~ 16.10	401(4F)	091	[D33] 3011 Health. Key to Food Security	O	AF0179	ranui Zuiuli	Italy	Mediterranean	Orai	between land, water, climate change, biodiversity, energy and